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GOVERNOR



PEGGY M. HATCH
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20080028
Agency Interest No. 2418

Mr. Chris Chandler
Refinery Manager
ConocoPhillips Company
P.O. Box 176
Belle Chasse, LA 70037

RE: Part 70 Operating Permit Renewal/Modification, Unit 308W – Wastewater Treatment Unit,
ConocoPhillips Company, Belle Chasse, Plaquemines Parish, Louisiana

Dear Mr. Chandler:

This is to inform you that the permit renewal/modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2015, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this _____ day of _____, 2010.

Permit No.: 1870-V1

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary

CSN:CMM
cc: EPA Region VI

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

Unit 308W – Wastewater Treatment Unit

Agency Interest No.: 2418

ConocoPhillips Company

Belle Chasse, Plaquemines Parish, Louisiana

I. Background

ConocoPhillips Company owns and operates the Alliance Refinery, a petroleum refinery located in Belle Chasse, Louisiana. Gulf Oil Company built the refinery in 1970. BP Oil Company owned Alliance Refinery from 1985 until Tosco Corporation (Tosco) purchased it in September 2000. Tosco later became a wholly owned subsidiary of Phillips Petroleum Company on September 17, 2001. On August 30, 2002, Phillips Petroleum Company, including its subsidiary Tosco Corporation, completed a merger with Conoco Inc. to form ConocoPhillips Company. On January 1, 2003, the owner and operator of the Alliance Refinery formally changed from Tosco to ConocoPhillips Company. The processing units in Alliance Refinery operate under several Part 70 permits.

Unit 308W – Wastewater Treatment Unit currently operates under the Part 70 Permit No. 1870-V0 issued August 23, 2005.

II. Origin

ConocoPhillips submitted an application and Emission Inventory Questionnaire (EIQ) dated December 15, 2008, as well as additional information dated October 7, 2009, requesting a Part 70 permit renewal/modification.

III. Description

Alliance Refinery produces a wide range of petroleum products from crude oil, such as motor gasoline, jet fuel, diesel fuel, LPG, carbon black feedstock, propane, and coke. It also produces by-product elemental sulfur and petrochemicals such as benzene, toluene, and xylene. The plant is covered by Standard Industrial Classification (SIC) 2911.

Drains in hydrocarbon service that are located within processing areas throughout the refinery, collect wastewater and route it to the Wastewater Treatment Plant (WWTP). Wastewater Collection System (WCS) emissions are controlled from the point of generation using controls such as drain water seals and caps and carbon canisters for junction box vents. Oil/water/solids separations are accomplished using external floating roof tanks and dissolved gas floatation. Vacuum steam strippers are available to strip Volatile Organic Compounds (VOCs) from the wastewater prior to biological treatment if it is required by 40 CFR 61 Subpart FF. VOCs in the stripper overhead are destroyed in a thermal oxidizer. Following biological treatment, the treated water is discharged into the Mississippi River.

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ConocoPhillips Company proposes the following changes:

- Update the Wastewater Treatment unit emission calculations based on current operating parameters as well as new emission calculation methodology.
- Update fugitive emissions based on updated fugitive component count from the 2006 refinery wide retagging project
- Include a dual carbon canister control system on the Wastewater Collection System. The dual carbon canister control system, as required by the Consent Decree, was implemented to reduce VOC emissions.
- Re-new the Part 70 Permit.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	2.21	2.21	-
SO ₂	21.25	47.91	+26.66
NO _x	8.45	8.45	-
CO	7.10	7.10	-
VOC *	133.87	139.22	+5.35

The increase in SO₂ emissions is due to updated operating parameters as well as new emission calculation methodology. The increases in VOC, Benzene, and other TAPs emissions are due to updated emission estimation calculations and updated component counts for fugitive emissions.

***VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
Benzene	28.83	37.029	+8.199
Biphenyl	0.14	0.102	-0.038
1,3-Butadiene	<0.01	0.001	+0.001
Cresol	2.74	1.828	-0.912
Cumene	0.15	0.176	+0.026
Ethylbenzene	1.29	2.135	+0.845

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***VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
n-Hexane	2.67	2.644	-0.026
Methyl Tertiary Butyl Ether	<0.01	-	-
Naphthalene	1.19	1.139	-0.051
Phenol	3.98	2.938	-1.042
Styrene	0.46	0.081	-0.379
2,2,4-Trimethylpentane	1.03	1.024	-0.006
Toluene	10.54	15.654	+5.114
Xylenes	3.34	3.476	+0.136
Total	56.36	68.227	+11.867
Other VOC	77.51	70.993	- 6.517

NON-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Ammonia	3.74	3.043	- 0.697
Sulfuric Acid	-	0.730	+0.730
Total	3.74	3.773	+0.033

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration does not apply.

This facility is a major source of Hazardous Air Pollutants (HAPs) pursuant to Section 112 of the Clean Air Act Amendments of 1990. This facility is also a major source of Toxic Air Pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. The facility emits or has the potential to emit a number of Class I and Class II TAPs above the Minimum Emission Rate (MER) under LAC 33:III.Chapter 51 and are controlled by Maximum Achievable Control Technology (MACT). Impact on air quality will be below Toxic Ambient Air Standards and National Ambient Air Quality Standards.

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V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on XXXXXXXX, and in *The Plaquemines Gazette*, Belle Chasse, on XXXXXX, and submitted to the Plaquemines Parish Library on XXXXXXXX. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on XXXXXX. The draft permit was also submitted to US EPA Region VI on XXXXXX (e-mailed). All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: ISCST3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard (NAAQS)
Benzene	Annual	11.31 µg/m ³	12.00 µg/m ³
Phenol	8-Hour	59.80 µg/m ³	452 µg/m ³
Toluene	8-Hour	7,915.30 µg/m ³	8,900 µg/m ³

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VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates – tons/year				
		PM ₁₀	SO ₂	NO _x	CO	VOC
308 Cleaning and Maintenance	4 events/yr	-	-	-	-	1.10
308 Laboratory Emissions	156 events/yr	-	-	-	-	<0.01
308 Pump and Valve Maintenance	1 event/yr	-	-	-	-	<0.01
308 Vacuum Truck Loading	4 events/yr	-	-	-	-	0.55
Stripper Maintenance	288 hrs/yr	-	-	-	-	0.82

IX. Insignificant Activities

ID No.:	Description	Max Rate or Tank Capacity	Citation
308-T-26	Sulfuric Acid Tank	1469 gallons	LAC 33:III.501.B.5.D
308-T-35	Sulfuric Acid Tank	889 gallons	LAC 33:III.501.B.5.D
308-T-73	Neutralized Caustic Tank		LAC 33:III.501.B.5.B.40
308-T-76	Neutralized Caustic Tank		LAC 33:III.501.B.5.B.40

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																
		5▲	9	11	13	15	2103	2104*	2107	2111	2113	2121	2153*	22	29*	51*	53	56
UNF 16	Unit 308W	1	1	1	1						1	1			1	1	1	1
EQT 79	308-T-11 Skimmed Oil Tank					1										1		
EQT 80	308-T-14 Wastewater Equalization Tank						1									1		
EQT 81	308-T-15A Storm Water Tank A							1								1		
EQT 82	308-T-15B Storm Water Tank B								1							1		
EQT 83	308-T-80 Sludge Tank								1							1		
EQT 84	308-T-81 Sludge Tank								1							1		
EQT 85	308-T-W30 Sludge Tank								1							1		
EQT 86	308-R-1 Cooling Water Tower															1		
EQT 87	308-V-106 Laboratory Waste Tank								1							1		
EQT 88	308-WWWTP Wastewater Treatment Plant									3	1					1		
EQT 89	308W-43 Wastewater Thermal Oxidizer									1	1	2				1		
FUG 12	308W-FF Unit Fugitives for Wastewater Treatment													1			1	

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only..

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KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**Unit 308W – Wastewater Treatment Unit**

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR						
		A	J	Kb	GGG	QQQ	A	J	FF	A	F	G	H	Q	CC	S2	64	68	82							
UNF 16	Unit 308W	1					1		1	1										1	1					
EQT 79	308-T-11 Skimmed Oil Tank				1	3			1		1	1	1	1							1	1				
EQT 80	308-T-14 Wastewater Equalization Tank				1	3			1		1	1	1	1							1	1				
EQT 81	308-T-15A Storm Water Tank A				1	3			1		1	1	1	1							1	1				
EQT 82	308-T-15B Storm Water Tank B				1	3			1		1	1	1	1							1	1				
EQT 83	308-T-80 Sludge Tank				1	3			1		1	1	1	1							1	1				
EQT 84	308-T-81 Sludge Tank				1	3			1		1	1	1	1							1	1				
EQT 85	308-T-W30 Sludge Tank				1	3			1		1	1	1	1							1	1				
EQT 86	308-R-1 Cooling Water Tower																			3						
EQT 87	308-V-106 Laboratory Waste Tank																									
EQT 88	308-W WTP Wastewater Treatment Plant																									
EQT 89	308W-43 Wastewater Thermal Oxidizer																			1	3					
FUG 12	308W-FF Unit Fugitives for Wastewater Treatment																			1						

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KEY TO MATRIX

- | | |
|---|--|
| 1 | -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements. |
| 2 | -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date. |
| 3 | -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source. |

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No.	Requirement	Notes
EQT 79 308-T-11 Skimmed Oil Tank	40 CFR 60.690 NSPS Subpart QQQ Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems.	DOES NOT APPLY. Storage vessel subject to NSPS Kb and, therefore, not subject to the provisions of Subpart QQQ per 40 CFR 60.692-3(d).
EQT 80 308-T-14 Wastewater Equalization Tank	40 CFR 60.690 NSPS Subpart QQQ Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems.	DOES NOT APPLY. Storage vessel subject to NSPS Kb and, therefore, not subject to the provisions of Subpart QQQ per 40 CFR 60.692-3(d).
EQT 81 308-T-15A Storm Water Tank A	40 CFR 60.690 NSPS Subpart QQQ Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems.	DOES NOT APPLY. Storage vessel subject to NSPS Kb and, therefore, not subject to the provisions of Subpart QQQ per 40 CFR 60.692-3(d).
EQT 82 308-T-15B Storm Water Tank B	40 CFR 60.690 NSPS Subpart QQQ Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems.	DOES NOT APPLY. Storage vessel subject to NSPS Kb and, therefore, not subject to the provisions of Subpart QQQ per 40 CFR 60.692-3(d).
EQT 83 308-T-80 Sludge Tank	40 CFR 60.690 NSPS Subpart QQQ Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems.	DOES NOT APPLY. Storage vessel subject to NSPS Kb and, therefore, not subject to the provisions of Subpart QQQ per 40 CFR 60.692-3(d).
EQT 84 308-T-80 Sludge Tank	40 CFR 60.690 NSPS Subpart QQQ Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems.	DOES NOT APPLY. Storage vessel subject to NSPS Kb and, therefore, not subject to the provisions of Subpart QQQ per 40 CFR 60.692-3(d).

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No.	Requirement	Notes
EQT 85 308-T-W30 Sludge Tank	40 CFR 60.690 NSPS Subpart QQQ Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems.	DOES NOT APPLY. Storage vessel subject to NSPS Kb and, therefore, not subject to the provisions of Subpart QQQ per 40 CFR 60.692-3(d).
EQT 86 308-R-1 Cooling Water Tower	40 CFR 63.400(a) Subpart Q National Emission Standards for Industrial Process Cooling Towers.	DOES NOT APPLY. Cooling tower is not operated with chromium-based water treatment chemicals.
EQT 88 308-WWTP Wastewater Treatment Plant	LAC 33:III.1311.B Emission Limits for Particulate Matter – Including Fluid Catalytic Cracking Units	DOES NOT APPLY. Process rate derived limit does not apply because burning of fuel for indirect heating is not covered under Subchapter A.
EQT 89 308-W-43 Wastewater Thermal Oxidizer	LAC 33:III.1503.C Emission Standards for Sulfur Dioxide.	EXEMPT. Per LAC 33:III.1503.C, units emitting less than 250 tons per year of sulfur compounds measured as sulfur dioxide may be exempted from the 2,000 ppm(v) limitation.
	40 CFR 60 Subpart J Standards of Performance for Petroleum Refineries	DOES NOT APPLY. “Fuel gas” does not include vapors that are collected and combusted to comply with the wastewater provisions of 40 CFR 60.692. The supplemental fuel to the Thermal Oxidizer is natural gas only and does not include any refinery fuel gas.

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 89 308-W-43 Wastewater Thermal Oxidizer (Continued)	40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. CAM does not apply to the Wastewater Thermal Oxidizer, Emission Point No. 308-W-43. CAM is analyzed on a pollutant-by pollutant basis. The thermal oxidizer controls VOC emissions as required by 40 CFR 63 Subpart CC. Therefore, CAM doesn't apply to the thermal oxidizer for VOC. The thermal oxidizer is not acting as a control device for H ₂ S/SO ₂ emissions. Therefore, CAM doesn't apply to the thermal oxidizer for H ₂ S/SO ₂ .

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

General Information

AI ID: 2418 ConocoPhillips Co - Alliance Refinery

Activity Number: PER20080028

Permit Number: 1870-V1

Air - Title V Regular Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
NOT IN CDS	2240-000003	Alliance Refurit 301 Boilers	Air Permitting	04-06-2000
ConocoPhillips Co - Alliance Refinery			CDS Number	09-01-2000
Federal Tax ID			Federal Tax ID	11-21-1999
34-0896398	LAD056024391	ConocoPhillips Co - Alliance Refinery	Hazardous Waste Notification	10-01-2002
PMT/PCICA		GPPA Baselines	Hazardous Waste Permitting	10-01-1997
2240-0015	2240-0003	ConocoPhillips Co - Alliance Refinery	Historic Emission Inventory System (EIS) ID	03-03-2004
Historic Toxic Emissions Data Inventory (TEDI) ID		Historic Toxic Emissions Data Inventory (TEDI) ID	01-01-1991	01-01-1991
WPC File Number		LPDES Permit #	LPDES Permit #	05-22-2003
WPC State Permit Number	WP0430	LWDPS Permit #	LWDPS Permit #	06-25-2003
Radioactive Material License	LA-5199-L01	Radiation License Number	Radiation License Number	10-02-2000
X-Ray Registration Number	7306	Radiation X-ray Registration Number	Radiation X-ray Registration Number	01-01-2003
SW ID#	GD-075-2115	Solid Waste Facility No.	Solid Waste Facility No.	04-30-2001
Alliance Refurit 301 Boilers	103630	TEMPO Merge	TEMPO Merge	07-01-2003
Tosco Refining Co - Alliance Refinery	17242	TEMPO Merge	TEMPO Merge	01-21-2001
BP Oil Co - Alliance Refinery	19958	TEMPO Merge	TEMPO Merge	11-01-2000
BP Amoco Oil Co - Alliance Refinery	36536	TEMPO Merge	TEMPO Merge	01-21-2001
BP Oil Co - Alliance Refinery	44960	TEMPO Merge	TEMPO Merge	10-02-2001
BP Oil Inc - Alliance Refinery	47224	TEMPO Merge	TEMPO Merge	11-01-2000
TRI #	70037BPMRCHIGHW	Toxic Release Inventory	Toxic Release Inventory	07-09-2004
TRI #	70037LNCRHIGHW	Toxic Release Inventory	Toxic Release Inventory	07-09-2004
WPC PTS No	316	Water Permitting	Water Permitting	11-21-1999
Physical Location:	15551 Hwy 23 12 Mi S of Belle Chasse, LA 70037	Main Phone:	5046567711	
Mailing Address:	PO Box 176 Belle Chasse, LA 700370176			
Location of Front Gate:	29.410397 latitude, -89.586819 longitude, Coordinate Method: Lat/Long	Coordinate Datum: NAD83		
Related People:	Name	Mailing Address	Phone (Type)	Relationship
Chris Chandler	Chris Chandler	PO Box 176 Belle Chasse, LA 700370176	5046567711 (WP)	Responsible Official for
Chris Chandler	Chris Chandler	PO Box 176 Belle Chasse, LA 700370176	Chris.Chandler@cor	Responsible Official for
Laurence Poche	Laurence Poche	PO Box 176 Belle Chasse, LA 700370176	Larry.R.Poche@cor	Air Permit Contact For
Laurence Poche	Laurence Poche	PO Box 176 Belle Chasse, LA 700370176	5046563212 (WP)	Hazardous Waste Permit Contact For

General Information
AI ID: 2418 ConocoPhillips Co - Alliance Refinery
Activity Number: PER20080028
Permit Number: 1870-V1
Air - Title V Regular Permit Renewal

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Laurence Poche	PO Box 176 Belle Chasse, LA 700370176	Larry.R.Poche@con-	Hazardous Waste Permit Contact For
	Laurence Poche	PO Box 176 Belle Chasse, LA 700370176	5046563212 (WP)	Emission Inventory Contact for
	Laurence Poche	PO Box 176 Belle Chasse, LA 700370176	Larry.R.Poche@con-	Emission Inventory Contact for
	Laurence Poche	PO Box 176 Belle Chasse, LA 700370176	5046563212 (WP)	Katrina Response Contact for
	Laurence Poche	PO Box 176 Belle Chasse, LA 700370176	Larry.R.Poche@con-	Katrina Response Contact for
	Laurence Poche	PO Box 176 Belle Chasse, LA 700370176	5046563212 (WP)	Air Permit Contact For
	Laurence Poche	PO Box 176 Belle Chasse, LA 700370176	5046563212 (WP)	Water Permit Contact For
	Laurence Poche	PO Box 176 Belle Chasse, LA 700370176	Larry.R.Poche@con-	Water Permit Contact For
	Dwayne Sible	PO Box 176 Belle Chasse, LA 700370176	5046563373 (WP)	Radiation Safety Officer for
	Dwayne Sible	PO Box 176 Belle Chasse, LA 700370176	5046563466 (WF)	Radiation Safety Officer for
	Dwayne Sible	PO Box 176 Belle Chasse, LA 700370176	5046563373 (WP)	Radiation Contact For
	Dwayne Sible	PO Box 176 Belle Chasse, LA 700370176	5046563466 (WF)	Radiation Contact For
	Robert Villio	PO Box 176 Belle Chasse, LA 700370176	5046567711 (WP)	Accident Prevention Billing Party for
	Robert Villio	PO Box 176 Belle Chasse, LA 700370176	5046563466 (WF)	Accident Prevention Billing Party for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	ConocoPhillips Co - Alliance Refinery	PO Box 176 Belle Chasse, LA 700370176	5046563244 (WP)	Solid Waste Billing Party for
	ConocoPhillips Co - Alliance Refinery	PO Box 176 Belle Chasse, LA 700370176	5046563369 (WF)	Solid Waste Billing Party for
	ConocoPhillips Co - Alliance Refinery	PO Box 176 Belle Chasse, LA 700370176	5046563244 (WP)	Air Billing Party for
	ConocoPhillips Co - Alliance Refinery	PO Box 176 Belle Chasse, LA 700370176	5046563369 (WF)	Air Billing Party for
	ConocoPhillips Co - Alliance Refinery	PO Box 176 Belle Chasse, LA 700370176	5046563244 (WP)	Radiation License Billing Party for
	ConocoPhillips Co - Alliance Refinery	PO Box 176 Belle Chasse, LA 700370176	5046563369 (WF)	Water Billing Party for
	ConocoPhillips Co - Alliance Refinery	PO Box 176 Belle Chasse, LA 700370176	5046563244 (WP)	Radiation Registration Billing Party for
	ConocoPhillips Co - Alliance Refinery	PO Box 176 Belle Chasse, LA 700370176	5046563369 (WF)	Radiation Registration Billing Party for
	ConocoPhillips Co - Alliance Refinery	PO Box 176 Belle Chasse, LA 700370176	5046563244 (WP)	Emission Inventory Billing Party
	ConocoPhillips Co - Alliance Refinery	PO Box 176 Belle Chasse, LA 700370176	5046563369 (WF)	Emission Inventory Billing Party
	ConocoPhillips Co - Alliance Refinery	PO Box 176 Belle Chasse, LA 700370176	5046563244 (WP)	Water Billing Party for
	ConocoPhillips Co - Alliance Refinery	PO Box 176 Belle Chasse, LA 700370176	5046563369 (WF)	Radiation License Billing Party for

NAIC Codes: 32411 Petroleum Refineries

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Miliam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
 Activity Number: PER20080028
 Permit Number: 1870-V1
 Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Wastewater Treatment System						
EQT 0079	308-T-11 - Skimmed Oil Tank	168000 gallons		11.93 MM gallons/yr		8760 hr/yr
EQT 0080	308-T-14 - Wastewater Equalization Tank	9.07 million gallons		1314 MM gallons/yr		8760 hr/yr
EQT 0081	308-T-15A - Storm Water Tank A	9.07 million gallons		1314 MM gallons/yr		8760 hr/yr
EQT 0082	308-T-15B - Storm Water Tank B	9.07 million gallons		1314 MM gallons/yr		8760 hr/yr
EQT 0083	308-T-80 - Sludge Tank	1.55 million gallons		14.33 MM gallons/yr		8760 hr/yr
EQT 0084	308-T-81 - Sludge Tank	1.55 million gallons		14.33 MM gallons/yr		8760 hr/yr
EQT 0085	308-T-W-30 - Sludge Tank	210000 gallons		9.99 MM gallons/yr		8760 hr/yr
EQT 0086	308-R-1 - Cooling Water Tower	2628 MM gallons/yr		1840 MM gallons/yr		8760 hr/yr
EQT 0087	308-V-106 - Laboratory Waste Tank	2938 gallons		7639 gallons/yr		8760 hr/yr
EQT 0088	308-WWTP - Wastewater Treatment Plant		2628 MM gallons/yr	1840 MM gallons/yr		8760 hr/yr
EQT 0089	308W-43 - Wastewater Thermal Oxidizer		24.59 MM BTU/hr	19.67 MM BTU/hr		8760 hr/yr
FUG 0012	308W-FF - Unit Fugitives For Wastewater Treatment					8760 hr/yr

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
Wastewater Treatment System							
EQT 0079	308-T-11 - Skimmed Oil Tank					32	
EQT 0080	308-T-14 - Wastewater Equalization Tank			180		48	
EQT 0081	308-T-15A - Storm Water Tank A			180		48	
EQT 0082	308-T-15B - Storm Water Tank B			180		48	
EQT 0083	308-T-80 - Sludge Tank			80		40	
EQT 0084	308-T-81 - Sludge Tank			80		40	
EQT 0085	308-T-W-30 - Sludge Tank					30	
EQT 0087	308-V-106 - Laboratory Waste Tank					20	

Relationships:

ID	Description	Relationship	ID	Description
EQT 0089	308W-43 - Wastewater Thermal Oxidizer	Vents to	EQT 0088	308-WWTP - Wastewater Treatment Plant

INVENTORIES

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
 Activity Number: PER20080028
 Permit Number: 1870-Y1
 Air - Title V Regular Permit Renewal

Subject Item Groups:

ID	Group Type	Group Description
UNF 0016	Unit or Facility Wide	Unit 308W - Wastewater Treatment System

Group Membership:

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0720	0720 Petroleum Refining (Rated Capacity)	1	M bbl/day

SIC Codes:

2911	Petroleum refining	AI 2418
2911	Petroleum refining	UNF 0016

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery

Activity Number: PER20080028

Permit Number: 1870-V1

Air - Title V Regular Permit Renewal

Subject Item	CO Avg lb/hr	NOx Tons/Year	Avg lb/hr	Tons/Year	PM10 Avg lb/hr	Tons/Year	SO2 Avg lb/hr	Tons/Year	VOC Avg lb/hr	Tons/Year
Wastewater Treatment System										
EQT 0079 308-T-11									0.27	1.18
EQT 0080 308-T-14									0.82	3.61
EQT 0081 308-T-15A									0.82	3.61
EQT 0082 308-T-15B									0.82	3.61
EQT 0083 308-T-80									0.37	1.63
EQT 0084 308-T-81									0.37	1.63
EQT 0085 308-T-w-30									0.20	0.87
EQT 0086 308-R-1									0.15	0.64
EQT 0087 308-V-106									0.02	0.07
EQT 0088 308-wwTP	1.62	7.10	1.93	8.45	0.15	0.65	10.94	47.91	6.34	27.78
FUG 0012 308w-FF									21.60	94.59

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

Emission rates Notes:

EQT 0088 VOC Tons/Year The Wastewater Treatment Plant includes emissions from DGF Unit 1&2, the Thermal Oxidizer, Aerated Biotreatment 1 and 2, Clarifier 1 and 2, Sludge Aerated Biotreatment Tank, Clarifier Effluent Storage Tank, and the Polishing Pond. Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery

Activity Number: PER20080028

Permit Number: 1870-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0079 308-T-11	2,2,4-Trimethylpentane	<0.001		0.001
	Benzene	0.002		0.007
	Biphenyl	<0.001		<0.001
	Cresol	<0.001		<0.001
	Cumene	<0.001		<0.001
	Ethyl benzene	<0.001		0.001
	Naphthalene	<0.001		<0.001
	Phenol	<0.001		<0.001
	Toluene	0.002		0.010
	Xylene (mixed isomers)	0.001		0.003
EQT 0080 308-T-14	n-Hexane	0.001		0.003
	2,2,4-Trimethylpentane	0.001		0.003
	Benzene	0.005		0.021
	Biphenyl	<0.001		<0.001
	Cresol	<0.001		<0.001
	Cumene	<0.001		<0.001
	Ethyl benzene	0.001		0.002
	Naphthalene	<0.001		<0.001
	Phenol	<0.001		<0.001
	Toluene	0.007		0.029
EQT 0081 308-T-15A	Xylene (mixed isomers)	0.002		0.009
	n-Hexane	0.002		0.008
	2,2,4-Trimethylpentane	0.001		0.003
	Benzene	0.005		0.021
	Biphenyl	<0.001		<0.001
	Cresol	<0.001		<0.001
	Cumene	<0.001		<0.001
	Ethyl benzene	0.001		0.002
	Naphthalene	<0.001		<0.001
	Phenol	<0.001		<0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery

Activity Number: PER20080028

Permit Number: 1870-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0082 308-T-15B	2,2,4-Trimethylpentane	0.001		0.003
	Benzene	0.005		0.021
	Biphenyl	<0.001		<0.001
	Cresol	<0.001		<0.001
	Cumene	<0.001		<0.001
	Ethyl benzene	0.001		0.002
	Naphthalene	<0.001		<0.001
	Phenol	<0.001		<0.001
	Toluene	0.007		0.029
	Xylene (mixed isomers)	0.002		0.009
EQT 0083 308-T-80	n-Hexane	0.002		0.008
	2,2,4-Trimethylpentane	<0.001		0.002
	Benzene	0.002		0.009
	Biphenyl	<0.001		<0.001
	Cresol	<0.001		<0.001
	Cumene	<0.001		<0.001
	Ethyl benzene	<0.001		0.001
	Naphthalene	<0.001		<0.001
	Phenol	<0.001		<0.001
	Toluene	0.003		0.013
EQT 0084 308-T-81	Xylene (mixed isomers)	0.001		0.004
	n-Hexane	0.001		0.004
	2,2,4-Trimethylpentane	<0.001		0.002
	Benzene	0.002		0.009
	Biphenyl	<0.001		<0.001
	Cresol	<0.001		<0.001
	Cumene	<0.001		<0.001
	Ethyl benzene	<0.001		0.001
	Naphthalene	<0.001		<0.001
	Phenol	<0.001		<0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery

Activity Number: PER20080028

Permit Number: 1870-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0085 308-T-W-30	2,2,4-Trimethylpentane	<0.001		0.001
	Benzene	0.001		0.005
	Biphenyl	<0.001		<0.001
	Cresol	<0.001		<0.001
	Cumene	<0.001		<0.001
	Ethyl benzene	<0.001		<0.001
	Naphthalene	<0.001		<0.001
	Phenol	<0.001		<0.001
	Toluene	0.002		0.007
	Xylene (mixed isomers)	<0.001		0.002
EQT 0086 308-R-1	n-Hexane	<0.001		0.002
	1,3-Butadiene	<0.001		0.001
	2,2,4-Trimethylpentane	0.001		0.003
	Benzene	0.002		0.010
	Biphenyl	<0.001		<0.001
	Cresol	<0.001		<0.001
	Cumene	<0.001		0.002
	Ethyl benzene	0.001		0.004
	Naphthalene	<0.001		0.001
	Toluene	0.003		0.014
EQT 0087 308-V-106	Xylene (mixed isomers)	0.003		0.013
	n-Hexane	0.001		0.006
	2,2,4-Trimethylpentane	<0.001		<0.001
	Benzene	<0.001		<0.001
	Biphenyl	<0.001		<0.001
	Cresol	<0.001		<0.001
	Cumene	<0.001		<0.001
	Ethyl benzene	<0.001		<0.001
	Naphthalene	<0.001		<0.001
	Phenol	<0.001		<0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery

Activity Number: PER20080028

Permit Number: 1870-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EOT 0088 308-WWTP	2,2,4-Trimethylpentane	0.06		0.27
	Ammonia	0.22		0.95
	Benzene	2.93		12.85
	Biphenyl	0.01		0.03
	Cresol	0.29		1.25
	Cumene	0.04		0.17
	Ethyl benzene	0.20		0.87
	Naphthalene	0.06		0.24
	Phenol	0.47		2.08
	Styrene	0.02		0.08
	Sulfuric acid	0.17		0.73
	Toluene	1.10		4.84
FUG 0012 308W-FF	Xylene (mixed isomers)	0.31		1.34
	n-Hexane	0.10		0.45
	2,2,4-Trimethylpentane	0.168		0.736
	Ammonia	0.478		2.093
	Benzene	5.497		24.076
	Biphenyl	0.016		0.072
	Cresol	0.132		0.578
	Cumene	0.001		0.004
	Ethyl benzene	0.286		1.252
	Naphthalene	0.205		0.898
	Phenol	0.196		0.858
	Styrene	<0.001		0.001
UNF 0016 Unit 308W	Toluene	2.436		10.669
	Xylene (mixed isomers)	0.475		2.083
	n-Hexane	0.491		2.151
	1,3-Butadiene			0.001
	2,2,4-Trimethylpentane			1.024
	Ammonia			3.043
	Benzene			37.029
	Biphenyl			0.102
	Cresol			1.828

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery

Activity Number: PER20080028

Permit Number: 1870-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0016 Unit 308W	Cumene			0.176
	Ethyl benzene			2.135
	Naphthalene			1.139
	Phenol			2.938
	Styrene			0.081
	Sulfuric acid			0.730
	Toluene			15.654
	Xylene (mixed isomers)			3.476
	n-Hexane			2.644

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
Activity Number: PER20080028
Permit Number: 1870-V1
Air - Title V Regular Permit Renewal

EQT 0079 308-T-111 - Skimmed Oil Tank

1 [40 CFR 60.112(b)(a)(2)(ii)]

Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gastested cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112(b)(a)(2)(ii)]

2 [40 CFR 60.112(b)(a)(2)]

Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113(b)(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113(b)(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112(b)(a)(2)]

Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2), determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]

Which Months: All Year Statistical Basis: None specified

Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2), determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]

Which Months: All Year Statistical Basis: None specified
Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)] One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]
There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)] Seal gap width \leq 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]

Which Months: All Year Statistical Basis: None specified
Seal gap area \leq 212 cm²/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]

Which Months: All Year Statistical Basis: None specified
Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
Activity Number: PER20080028
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EQT 0079 308-T-11 - Skimmed Oil Tank

- 11 [40 CFR 60.113(b)(4)(ii)(B)] Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified
- Seal gap area <= 21.2 cm²m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified
- There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(C)]
- Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113(b)(4) (i) and (ii) except as specified in 40 CFR 60.113(b)(4)(iii). Subpart Kb. [40 CFR 60.113(b)(4)]
- Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113(b)(5)]
- If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113(b)(6)(i)]
- Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113(b)(6)(ii)]
- Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113(b)(6)]
- Which Months: All Year Statistical Basis: None specified
- Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112(b)(a)(2) and 60.113(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(1)]
- Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(2)]
- Gap measurements(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115(b)(3)]
- Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(4)]

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
Activity Number: PER20080028
Permit Number: 1870-V1
Air - Title V Regular Permit Renewal

EQT 0079 308-T-11 - Skimmed Oil Tank

- 23 [40 CFR 60.116(b)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- 24 [40 CFR 60.116b(d)(1)] Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)]
- 25 [40 CFR 61.351(a)(2)] 40 CFR 61 Subpart FF: As an alternative to complying with 40 CFR 61.343, the owner/operator complies with the alternative standards per 40 CFR 61.351(a) and 40 CFR 61.351(b). [40 CFR 61.351(a)(2)]
- 26 [40 CFR 63.111] 40 CFR 63 Subpart G. Group 2 wastewater streams as defined per 40 CFR 63.111.
- 27 [40 CFR 63.132(b)(4)] 40 CFR 63 Subpart G. For wastewater streams that are Group 2, comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). Wastewater stream is a Group 2 Wastewater stream. [40 CFR 63.132(b)(4)]
- 28 [40 CFR 63.640(o)(2)] 40 CFR 63 Subpart CC. Group 1 or Group 2 wastewater stream that is conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR 63.133 through 63.147 of Subpart G wastewater provisions shall comply as specified in 40 CFR 63.640(o)(2)(i) or 63.640(o)(2)(ii). [40 CFR 63.640(o)(2)]
- 29 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 30 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 31 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 32 [LAC 33:III.2103.D.2.c] Seal gap area <= 1 in²/2 ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 33 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
Seal gap area <= 10 in²/2 ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 34 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 35 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 36 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- 37 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- 38 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
 Activity Number: PER20080028
 Permit Number: 1870-V1
 Air - Title V Regular Permit Renewal

EQT 0079 308-T-11 - Skimmed Oil Tank

- 39 [LAC 33.III.2|03.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 40 [LAC 33.III.2|03.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33.III.2|03.C.1.a and b.

Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.

Determine compliance with LAC 33.III.2|03.D.2 and 4 using the methods in LAC 33.III.2|03.H.1.

Determine VOC maximum true vapor pressure using the methods in LAC 33.III.2|03.H.3.a-e.

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33.III.2|03.I.1 - 7, as applicable.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

Source complies with 40 CFR 61 Subpart FF, which constitutes MACT.

Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

EQT 0080 308-T-14 - Wastewater Equalization Tank

- 47 [40 CFR 60.112b(a)(2)(ii)]

Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
 Activity Number: PER20080028
 Permit Number: 1870-V1
 Air - Title V Regular Permit Renewal

EQT 0080 308-T-14 - Wastewater Equalization Tank

- 48 [40 CFR 60.113b(a)(2)]
 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]
- Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
- Which Months: All Year Statistical Basis: None specified
- Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)] One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)] There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)] Seal gap area $\leq 2.12 \text{ cm}^2/\text{m}$ of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- Seal gap width $\leq 3.81 \text{ cm}$ for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)] Seal gap width $\leq 1.27 \text{ cm}$ for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified
- Seal gap area $\leq 21.2 \text{ cm}^2/\text{m}$ of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified
- There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co • Alliance Refinery
Activity Number: PER20080028
Permit Number: 1870-V1
Air - Title V Regular Permit Renewal

EQT 0080 308-T-14 - Wastewater Equalization Tank

- 60 [40 CFR 60.113b(b)(4)]
61 [40 CFR 60.113b(b)(5)]
62 [40 CFR 60.113b(b)(6)(i)]
63 [40 CFR 60.113b(b)(6)(ii)]
64 [40 CFR 60.113b(b)(6)]
65 [40 CFR 60.115b(b)(1)]
66 [40 CFR 60.115b(b)(2)]
67 [40 CFR 60.115b(b)(3)]
68 [40 CFR 60.115b(b)(4)]
69 [40 CFR 60.116b(b)]
70 [40 CFR 60.116b(D)(1)]
71 [40 CFR 61.351(a)(2)]
72 [40 CFR 63.111]

Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]
Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]
If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]
Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]
Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
Which Months: All Year Statistical Basis: None specified
Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]
Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]
Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]
Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]
Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)]
40 CFR 61. Subpart FF: As an alternative to complying with 40 CFR 61.343, the owner/operator complies with the alternative standards per 40 CFR 61.351(a) and 40 CFR 61.351(b). [40 CFR 61.351(a)(2)]
40 CFR 63 Subpart G: Group 2 wastewater stream as defined per 40 CFR 63.111.

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
Activity Number: PER20080028
Permit Number: 1870-V1
Air - Title V Regular Permit Renewal

EQT 0080 308-T-14 - Wastewater Equalization Tank

- 40 CFR 63 Subpart G. For wastewater streams that are Group 2, comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). Wastewater stream is a Group 2 Wastewater stream. [40 CFR 63.132(b)(4)]
- 40 CFR 63 Subpart CC. Group 1 or Group 2 wastewater stream that is conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR 63.133 through 63.147 of Subpart G wastewater provisions shall comply as specified in 40 CFR 63.640(o)(2)(i) or 63.640(o)(2)(ii). [40 CFR 63.640(o)(2)]
- Equip with a submerged fill pipe.
- Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter ($6.5 \text{ cm}^2/0.3 \text{ m}$), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- Which Months: All Year Statistical Basis: None specified
 Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter ($65 \text{ cm}^2/0.3 \text{ m}$), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- Which Months: All Year Statistical Basis: None specified
 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
- Which Months: All Year Statistical Basis: None specified
 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- Which Months: All Year Statistical Basis: None specified
 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1. a and b.
- Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
- Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
 Activity Number: PER20080028
 Permit Number: 1870-V1
 Air - Title V Regular Permit Renewal

EQT 0080 308-T-14 - Wastewater Equalization Tank

- 89 [LAC 33.111 2103.1]
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33.111.2103.1 - 7, as applicable
- 90 [LAC 33.111 5109.A]
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
- Source complies with 40 CFR 61 Subpart FF, which constitutes MACT.
- Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

EQT 0081 308-T-15A - Storm Water Tank A

- 91 [LAC 33.111.511.3.B.6]
 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.
- 92 [40 CFR 60.112b(a)(2)(ii)]
 Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(iii)]
- 93 [40 CFR 60.112b(a)(2)]
 Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]
- 94 [40 CFR 60.113b(b)(1)(i)]
 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- 95 [40 CFR 60.113b(b)(1)(ii)]
 Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 96 [40 CFR 60.113b(b)(3)]
 Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
 Activity Number: PER20080028
 Permit Number: 1870-V1
 Air - Title V Regular Permit Renewal

EQT 0081 308-T-15A - Storm Water Tank A

97	[40 CFR 60.113(b)(4)(i)(A)]	One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113(b)(4)(i)(A)]
98	[40 CFR 60.113(b)(4)(i)(B)]	There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113(b)(4)(i)(B)]
99	[40 CFR 60.113(b)(4)(i)]	Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113(b)(4)(i)]
100	[40 CFR 60.113(b)(4)(i)]	Which Months: All Year Statistical Basis: None specified Seal gap area <= 21.2 cm ² /m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113(b)(4)(i)]
101	[40 CFR 60.113(b)(4)(i)(A)]	Which Months: All Year Statistical Basis: None specified Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113(b)(2)(ii). Subpart Kb. [40 CFR 60.113(b)(4)(i)(A)]
102	[40 CFR 60.113(b)(4)(i)(B)]	Seal gap area <= 21.2 cm ² /m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(i)(B)]
103	[40 CFR 60.113(b)(4)(i)(B)]	Which Months: All Year Statistical Basis: None specified Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(i)(B)]
104	[40 CFR 60.113(b)(4)(i)(C)]	Which Months: All Year Statistical Basis: None specified There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113(b)(4)(i)(C)]
105	[40 CFR 60.113(b)(4)]	Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113(b)(4) (i) and (ii) except as specified in 40 CFR 60.113(b)(4)(ii). Subpart Kb. [40 CFR 60.113(b)(4)]
106	[40 CFR 60.113(b)(5)]	Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113(b)(5)]
107	[40 CFR 60.113(b)(6)(i)]	If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113(b)(6)(i)]
108	[40 CFR 60.113(b)(6)(ii)]	Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113(b)(6)(ii)]
109	[40 CFR 60.113(b)(6)]	Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113(b)(6)]
110	[40 CFR 60.113(b)(1)]	Which Months: All Year Statistical Basis: None specified Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112(b)(2) and 60.113(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(1)]

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
 Activity Number: PER20080028
 Permit Number: 1870-V1
Air - Title V Regular Permit Renewal

EQT 0081 308-T-15A - Storm Water Tank A

- 111 [40 CFR 60.115b(b)(2)]
 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]
- 112 [40 CFR 60.115b(b)(3)]
 Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]
- 113 [40 CFR 60.115b(b)(4)]
 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]
- 114 [40 CFR 60.116b(b)]
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- 115 [40 CFR 60.116b(d)(1)]
 Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)]
- 116 [40 CFR 61.351(a)(2)]
 40 CFR 61 Subpart FF: As an alternative to complying with 40 CFR 61.343, the owner/operator complies with the alternative standards per 40 CFR 61.351(a) and 40 CFR 61.351(b). [40 CFR 61.351(a)(2)]
- 117 [40 CFR 63.111]
 40 CFR 63 Subpart G: Group 2 wastewater stream as defined per 40 CFR 63.111.
- 118 [40 CFR 63.132(b)(4)]
 40 CFR 63 Subwater streams that are Group 2, comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). Wastewater stream is a Group 2 Wastewater stream. [40 CFR 63.132(b)(4)]
- 119 [40 CFR 63.640(o)(2)]
 40 CFR 63 Subpart CC: Group 1 or Group 2 wastewater stream that is conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR 63.133 through 63.147 of Subpart G wastewater provisions shall comply as specified in 40 CFR 63.640(o)(2)(i) or 63.640(o)(2)(ii). [40 CFR 63.640(o)(2)]
- 120 [LAC 33.III.2103.B]
 Equip with a submerged fill pipe.
- 121 [LAC 33.III.2103.D.2.a]
 Seal closure devices required in LAC 33.III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 122 [LAC 33.III.2103.D.2.b]
 Seal closure devices required in LAC 33.III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 123 [LAC 33.III.2103.D.2.c]
 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm^2/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 124 [LAC 33.III.2103.D.2.d]
 Which Months: All Year Statistical Basis: None specified
 Seal gap area <= 10 in^2/ft of tank diameter (65 cm^2/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 125 [LAC 33.III.2103.D.2.e]
 Which Months: All Year Statistical Basis: Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
Activity Number: PER20080028
Permit Number: 1870-V1
Air - Title V Regular Permit Renewal

EQT 0081 308-T-15A - Storm Water Tank A

126 [LAC 33:III.2|03.D.2.e]

Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2|03. Complete repairs within three months of the ordering of the repair parts.

Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2|03.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2|03.D.2.

Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.

Which Months: All Year Statistical Basis: None specified

Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.

Which Months: All Year Statistical Basis: None specified

Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.

Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2|03.C.1.a and b.

Determine compliance with LAC 33:III.2|03.D.2 and 4 using the methods in LAC 33:III.2|03.H.1.

Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2|03.H.3.a-e.

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2|03.I.1 - 7, as applicable.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

Source complies with 40 CFR 61 Subpart FF, which constitutes MACT.

Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

EQT 0082 308-T-15B - Storm Water Tank B

137 [40 CFR 60.112b(a)(2)(ii)]

Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

SPECIFIC REQUIREMENTS

AI ID: 241B - ConocoPhillips Co. - Alliance Refinery
 Activity Number: PER20080028
 Permit Number: 1870-V1
 Air - Title V Regular Permit Renewal

EQT 0082 308-T-15B - Storm Water Tank B

138 [40 CFR 60.112(b)(2)]

Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

139 [40 CFR 60.113b(b)(1)(i)]

Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]

Which Months: All Year Statistical Basis: None specified

140 [40 CFR 60.113b(b)(1)(ii)]

Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]

Which Months: All Year Statistical Basis: None specified

141 [40 CFR 60.113b(b)(3)]

Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(3)] One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]

There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]

Which Months: All Year Statistical Basis: None specified

142 [40 CFR 60.113b(b)(4)(i)(A)]

Seal gap area <= 212 cm²/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]

Which Months: All Year Statistical Basis: None specified

143 [40 CFR 60.113b(b)(4)(i)(B)]

Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]

Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]

Which Months: All Year Statistical Basis: None specified

144 [40 CFR 60.113b(b)(4)(i)]

Seal gap area <= 21.2 cm²/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]

Which Months: All Year Statistical Basis: None specified

145 [40 CFR 60.113b(b)(4)(i)]

There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
Activity Number: PER20080028
Permit Number: 1870-V1
Air - Title V Regular Permit Renewal

EQT_0082 308-T-15B - Storm Water Tank B

- 150 [40 CFR 60.113(b)(4)] Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113(b)(4) (i) and (ii) except as specified in 40 CFR 60.113(b)(4)(iii). Subpart Kb. [40 CFR 60.113(b)(4)]
- 151 [40 CFR 60.113(b)(5)] Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113(b)(5)]
- If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113(b)(6)(i)]
- 152 [40 CFR 60.113(b)(6)(ii)] Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing, including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113(b)(6)(ii)]
- 153 [40 CFR 60.113(b)(6)(iii)] Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113(b)(6)]
- 154 [40 CFR 60.113(b)(6)] Which Months: All Year Statistical Basis: None specified
- 155 [40 CFR 60.115(b)(1)] Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112(b)(2) and 60.113(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(1)]
- 156 [40 CFR 60.115(b)(2)] Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(2)]
- 157 [40 CFR 60.115(b)(3)] Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115(b)(3)]
- 158 [40 CFR 60.115(b)(4)] Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(4)]
- 159 [40 CFR 60.116(b)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116(b)(a). Subpart Kb. [40 CFR 60.116(b)]
- 160 [40 CFR 60.116(b)(1)] Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116(b)(e). Subpart Kb. [40 CFR 60.116(b)(1)]
- 161 [40 CFR 61.351(a)(2)] 40 CFR 61 Subpart FF: As an alternative to complying with 40 CFR 61.343, the owner/operator complies with the alternative standards per 40 CFR 61.351(a) and 40 CFR 61.351(b). [40 CFR 61.351(a)(2)]
- 162 [40 CFR 63.111] 40 CFR 63 Subpart G. Group 2 wastewater stream as defined per 40 CFR 63.111.

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
 Activity Number: PER20080028
 Permit Number: 1870-V1
 Air - Title V Regular Permit Renewal

EQT 0082 308-T-15B - Storm Water Tank B

- 163 [40 CFR 63.132(b)(4)]
 40 CFR 63 Subpart G. For wastewater streams that are Group 2, comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). Wastewater stream is a Group 2 wastewater stream. [40 CFR 63.132(b)(4)]
 164 [40 CFR 63.640(o)(2)]
 40 CFR 63 Subpart CC. Group 1 or Group 2 wastewater stream that is conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR 63.133 through 63.147 of Subpart G wastewater provisions shall comply as specified in 40 CFR 63.640(o)(2)(i) or 63.640(o)(2)(ii). [40 CFR 63.640(o)(2)]
- 165 [LAC 33.III.2103.B]
 166 [LAC 33.III.2103.D.2.a]
 167 [LAC 33.III.2103.D.2.b]
 168 [LAC 33.III.2103.D.2.c]
- 169 [LAC 33.III.2103.D.2.d]
- 170 [LAC 33.III.2103.D.2.e]
 171 [LAC 33.III.2103.D.2.e]
 172 [LAC 33.III.2103.D.2.e]
 173 [LAC 33.III.2103.D.2.e]
- 174 [LAC 33.III.2103.D.2.e]
- 175 [LAC 33.III.2103.D.3]
- 176 [LAC 33.III.2103.D]
- 177 [LAC 33.III.2103.H.1]
 178 [LAC 33.III.2103.H.3]
- 40 CFR 63 Subpart G. For wastewater streams that are Group 2, comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). Wastewater stream is a Group 2 wastewater stream. [40 CFR 63.132(b)(4)]
 40 CFR 63 Subpart CC. Group 1 or Group 2 wastewater stream that is conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR 63.133 through 63.147 of Subpart G wastewater provisions shall comply as specified in 40 CFR 63.640(o)(2)(i) or 63.640(o)(2)(ii). [40 CFR 63.640(o)(2)]
- Equip with a submerged fill pipe.
- Seal closure devices required in LAC 33.III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- Seal closure devices required in LAC 33.III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- Seal gap area <= 1 in²/ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- Which Months: All Year Statistical Basis: None specified
 Seal gap area <= 10 in²/ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- Which Months: All Year Statistical Basis: None specified
 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
- Which Months: All Year Statistical Basis: None specified
 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- Which Months: All Year Statistical Basis: None specified
 Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33.III.2103. Complete repairs within three months of the ordering of the repair parts.
- Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33.III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33.III.2103.D.2.
- Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33.III.2103.C.1.a and b.
- Determine compliance with LAC 33.III.2103.D.2 and 4 using the methods in LAC 33.III.2103.H.1.
- Determine VOC maximum true vapor pressure using the methods in LAC 33.III.2103.H.3.a-e.

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
 Activity Number: PER20080028
 Permit Number: 1870-V1
 Air - Title V Regular Permit Renewal

EQT 0082 308-T-45B - Storm Water Tank B

179 [LAC 33:III.2|03.1]

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2|03.1.1 - 7, as applicable.

180 [LAC 33:III.5|09.A]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Source complies with 40 CFR 61 Subpart FF, which constitutes MACT.

Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

EQT 0083 308-T-80 - Sludge Tank

182 [40 CFR 60.112(b)(a)(2)(ii)]

Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112(b)(a)(2)(ii)]

Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112(b)(a)(2)]

Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]

Which Months: All Year Statistical Basis: None specified

Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]

Which Months: All Year Statistical Basis: None specified

Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
 Activity Number: PER20080028
 Permit Number: 1870-V1
 Air - Title V Regular Permit Renewal

EQT 0083 308-T-80 - Sludge Tank

- 187 [40 CFR 60.113(b)(4)(i)(A)] One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113(b)(4)(i)(A)]
 There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113(b)(4)(i)(B)]
 Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113(b)(4)(i)]
 Which Months: All Year Statistical Basis: None specified
 Seal gap area <= 212 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113(b)(4)(i)]
 Which Months: All Year Statistical Basis: None specified
 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113(b)(2)(iii). Subpart Kb. [40 CFR 60.113(b)(4)(ii)(A)]
 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(i)(B)]
 Which Months: All Year Statistical Basis: None specified
 Seal gap area <= 21.2 cm^2/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(i)(B)]
 Which Months: All Year Statistical Basis: None specified
 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(C)]
 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113(b)(4) (i) and (ii) except as specified in 40 CFR 60.113(b)(4)(iii). Subpart Kb. [40 CFR 60.113(b)(4)]
 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113(b)(5)]
 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113(b)(6)(i)]
 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113(b)(6)(ii)]
 Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113(b)(6)]
 Which Months: All Year Statistical Basis: None specified
 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112(b)(a)(2) and 60.113(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(1)]

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
 Activity Number: PER20080028
 Permit Number: 1870-V1
 Air - Title V Regular Permit Renewal

EQT 0083 308-T-30 - Sludge Tank

- 201 [40 CFR 60.115b(b)(2)]
 Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]
- 202 [40 CFR 60.115b(b)(3)]
 Gap measurements(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]
- 203 [40 CFR 60.115b(b)(4)]
 Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]
- 204 [40 CFR 60.116b(b)]
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- 205 [40 CFR 60.116b(f)(1)]
 Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(e). Subpart Kb. [40 CFR 60.116b(f)(1)]
- 206 [40 CFR 61.351(a)(2)]
 40 CFR 61 Subpart FF: As an alternative to complying with 40 CFR 61.343, the owner/operator complies with the alternative standards per 40 CFR 61.351(a) and 40 CFR 61.351(b). [40 CFR 61.351(a)(2)]
- 207 [40 CFR 63.111]
 40 CFR 63 Subpart G. Group 2 wastewater streams as defined per 40 CFR 63.111.
- 208 [40 CFR 63.132(b)(4)]
 40 CFR 63 Subpart G. For wastewater streams that are Group 2, comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). Wastewater stream is a Group 2 wastewater stream. [40 CFR 63.132(b)(4)]
- 209 [40 CFR 63.640(o)(2)]
 40 CFR 63 Subpart CC. Group 1 or Group 2 wastewater stream that is conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR 63.133 through 63.147 of Subpart G wastewater provisions shall comply as specified in 40 CFR 63.640(o)(2)(i) or 63.640(o)(2)(ii). [40 CFR 63.640(o)(2)]
- 210 [LAC 33:III.2103.B]
 Equip with a submerged fill pipe.
- 211 [LAC 33:III.2103.D.2.a]
 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 212 [LAC 33:III.2103.D.2.b]
 Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 213 [LAC 33:III.2103.D.2.c]
 Seal gap area <= 1 in^2/ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 214 [LAC 33:III.2103.D.2.d]
 Which Months: All Year Statistical Basis: None specified
 Seal gap area <= 10 in^2/ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 215 [LAC 33:III.2103.D.2.e]
 Which Months: All Year Statistical Basis: None specified
 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
 Activity Number: PER20080028
 Permit Number: 1870-V1
 Air - Title V Regular Permit Renewal

EQT 0083 308-T-80 - Sludge Tank

216 [LAC 33:III.2103.D.2.c]

Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.

Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.

Which Months: All Year Statistical Basis: None specified

Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.

Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.

Which Months: All Year Statistical Basis: None specified

Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.

Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.

Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.

Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-c.

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

Source complies with 40 CFR 61 Subpart FF, which constitutes MACT.

Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

EQT 0084 308-T-81 - Sludge Tank

227 [40 CFR 60.112b(a)(2)(ii)]

Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
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Permit Number: 1870-V1
Air - Title V Regular Permit Renewal

EQT 0084 308-T-81 - Sludge Tank

- 228 [40 CFR 60.113(b)(1)(ii)(B)] Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112(b)(a)(2)]
- Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113(b)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- 229 [40 CFR 60.113(b)(1)(ii)(A)] Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113(b)(1)(ii)]
- Which Months: All Year Statistical Basis: None specified
- Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113(b)(4). Subpart Kb. [40 CFR 60.113(b)(3)] One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113(b)(4)(i)(A)]
- There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113(b)(4)(i)(B)] Seal gap area $\leq 212 \text{ cm}^2/\text{m}$ of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- Seal gap width $\leq 3.81 \text{ cm}$ for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113(b)(2)(iii). Subpart Kb. [40 CFR 60.113(b)(4)(ii)(A)]
- Seal gap area $\leq 21.2 \text{ cm}^2/\text{m}$ of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified
- Seal gap width $\leq 1.27 \text{ cm}$ for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(B)]
- Which Months: All Year Statistical Basis: None specified
- There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(C)]

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
 Activity Number: PER20080028
 Permit Number: 1870-V1
 Air - Title V Regular Permit Renewal

EQT 0084 308-T-81 - Sludge Tank

- 240 [40 CFR 60.113b(b)(4)] Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]
- 241 [40 CFR 60.113b(b)(5)] Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]
- If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]
- Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]
- Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
- Which Months: All Year Statistical Basis: None specified
- Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]
- Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]
- Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]
- Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(c). Subpart Kb. [40 CFR 60.116b(f)(1)]
- 40 CFR 61 Subpart FF: As an alternative to complying with 40 CFR 61.343, the owner/operator complies with the alternative standards per 40 CFR 61.351(a) and 40 CFR 61.351(b). [40 CFR 61.351(a)(2)]
- 40 CFR 63 Subpart G: Group 2 wastewater stream as defined per 40 CFR 63.111.

SPECIFIC REQUIREMENTS

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EQT 0084 308-T-81 - Sludge Tank

- 40 CFR 63 Subpart G. For wastewater streams that are Group 2, comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). Wastewater stream is a Group 2 wastewater stream. [40 CFR 63.132(b)(4)]
- 40 CFR 63 Subpart CC. Group 1 or Group 2 wastewater stream that is conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR 63.133 through 63.147 of Subpart G wastewater provisions shall comply as specified in 40 CFR 63.640(o)(2)(i) or 63.640(o)(2)(ii). [40 CFR 63.640(o)(2)]
- Equip with a submerged fill pipe.
- Seal closure devices required in LAC 33:III.2|03.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- Seal closure devices required in LAC 33:III.2|03.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- Seal gap area <= 1 in²/ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- Which Months: All Year Statistical Basis: None specified
- Seat gap area <= 10 in²/ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- Which Months: All Year Statistical Basis: None specified
- Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2|03. Complete repairs within three months of the ordering of the repair parts.
- Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
- Which Months: All Year Statistical Basis: None specified
- Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- Which Months: All Year Statistical Basis: None specified
- Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2|03.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2|03.D.2.
- Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- Which Months: All Year Statistical Basis: None specified
- Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2|03.C.1.a and b.
- Determine compliance with LAC 33:III.2|03.D.2 and 4 using the methods in LAC 33:III.2|03.H.1.
- Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2|03.H.3.a-e.

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co : Alliance Refinery
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 Air - Title V Regular Permit Renewal

EQT 0084 308-T-81 - Sludge Tank

269 [LAC 33:111.2103.11]

Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:111.2103.11 - 7, as applicable.

270 [LAC 33:111.5109.A]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Source complies with 40 CFR 61 Subpart FF, which constitutes MACT.

271 [LAC 33:111.5113.B.6]

Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

EQT 0085 308-T-W-30 - Sludge Tank

272 [40 CFR 60.112b(a)(1)(i)]

Equip with a fixed roof in combination with an internal floating roof. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(1)(i)]

273 [40 CFR 60.112b(a)(1)(ii)(A)]

Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(A)]

274 [40 CFR 60.112b(a)(1)(ii)(B)]

Equip internal floating roof with two seals mounted secondary above the primary so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The primary seal may be vapor-mounted, but both must be continuous. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(B)]

275 [40 CFR 60.112b(a)(1)(ii)(C)]

Equip internal floating roof with a mechanical shoe seal consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(C)]

276 [40 CFR 60.112b(a)(1)]

Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface. Equip each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb. [40 CFR 60.112b(a)(1)]

SPECIFIC REQUIREMENTS

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EQT 0085 308-T-W-30 - Sludge Tank

277 [40 CFR 60.113b(a)(1)]

Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]

278 [40 CFR 60.113b(a)(2)]

Which Months: All Year Statistical Basis: None specified
 If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, repair the items or empty and remove the storage vessel from service within 45 days.

If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, request a 30-day extension from DEQ in the inspection report required in 40 CFR 60.115b(a)(3). Document in the request for extension that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. Subpart Kb. [40 CFR 60.113b(a)(2)]

Tank roof and seals monitored by visual inspection/determination annually. Inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]

279 [40 CFR 60.113b(a)(2)]

Which Months: All Year Statistical Basis: None specified
 If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)]

Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]

280 [40 CFR 60.113b(a)(4)]

Which Months: All Year Statistical Basis: None specified
 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]

Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.112b(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]

SPECIFIC REQUIREMENTS

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EQT 0085 308-T-W-30 - Sludge Tank

- Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113(b)(a)(1) through (4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]
- Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113(b)(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]
- Submit a report: Due to DEQ within 30 days of each inspection required by 40 CFR 60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR 60.113b(a)(3)(ii). The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR 60.113b(a)(3) and list each repair made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(4)]
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- Determine the highest maximum true vapor pressure for the range of anticipated stored liquid compositions prior to the initial filling of the vessel using the methods described in 40 CFR 60.116b(c). Subpart Kb. [40 CFR 60.116b(f)(1)]
- 40 CFR 61 Subpart FF: As an alternative to complying with 40 CFR 61.343, the owner/operator complies with the alternative standards per 40 CFR 61.351(a) and 40 CFR 61.351(b). [40 CFR 61.351(a)(2)]
- 40 CFR 63 Subpart G: Group 2 wastewater stream as defined per 40 CFR 63.111.
- 40 CFR 63 Subpart G: For wastewater streams that are Group 2, comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). Wastewater stream is a Group 2 wastewater stream. [40 CFR 63.132(b)(4)]
- 40 CFR 63 Subpart CC: Group 1 or Group 2 wastewater stream that is conveyed, stored, or treated in a wastewater stream management unit that also receives streams subject to the provisions of 40 CFR 63.133 through 63.147 of Subpart G wastewater provisions shall comply as specified in 40 CFR 63.640(o)(2)(i) or 63.640(o)(2)(ii). [40 CFR 63.640(o)(2)]
- Equip with a submerged fill pipe.
- Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.
- Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
- Source complies with 40 CFR 61 Subpart FF, which constitutes MACT.
- Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
Activity Number: PER20080028
Permit Number: 1870-V1
Air - Title V Regular Permit Renewal

EQT 0087 308-V-106 - Laboratory Waste Tank

- 299 [40 CFR 60.692-3(a)] Equip and operate each oil-water separator tank, sump oil tank, storage vessel, or other auxiliary equipment with a fixed roof, which meets the specifications in 40 CFR 60.692-3(a)(1) through (a)(5), except as provided in 40 CFR 60.692-3(d) or 60.693-2. Subpart QQQ. [40 CFR 60.692-3(a)]
- 300 [40 CFR 60.697(a)] Retain all records required by 40 CFR 60 Subpart QQQ for a period of 2 years after being recorded unless otherwise noted. Subpart QQQ. [40 CFR 60.697(a)]
- 301 [40 CFR 60.697(c)] Inspection records recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the location, date, and corrective action for inspections required by 40 CFR 60.692-3(a) when a problem is identified that could result in VOC emissions. Subpart QQQ. [40 CFR 60.697(c)]
- 302 [40 CFR 60.697(e)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(e)(1) through (e)(4), as applicable. Subpart QQQ. [40 CFR 60.697(e)]
- 303 [40 CFR 60.697(f)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 60.697(f)(1) through (f)(3) for the life of the source in a readily accessible location. Subpart QQQ. [40 CFR 60.697(f)]
- 304 [40 CFR 61.343(a)(1)] Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. Subpart FF. [40 CFR 61.343(a)(1)]
- 305 [40 CFR 61.343(c)] Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
- 306 [40 CFR 61.343(d)] Which Month: All Year Statistical Basis: None specified
- 307 [40 CFR 61.343(e)] Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 308 [40 CFR 61.355] Meet the requirements specified in 40 CFR 63.343(e)(1) through (e)(4). Subpart FF. [40 CFR 61.343(e)]
- 309 [40 CFR 61.356] Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.
- 310 [LAC 33:III.2|03.A] Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 311 [LAC 33:III.2|03.H.3] Equip with a submerged fill pipe.
- 312 [LAC 33:III.2|03.I] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2|03.H.3.a-e.
- 313 [LAC 33:III.5|09.A] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2|03.I.1 - 7, as applicable.
- 314 [LAC 33:III.5|13.B.6] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Source complies with 40 CFR 61 Subpart FF, which constitutes MACT.
- 315 [LAC 33:III.5|13.C.6] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

EQT 0088 308-WWTP - Wastewater Treatment Plant

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
 Activity Number: PER20080028
 Permit Number: 1870-V1
 Air - Title V Regular Permit Renewal

EQT 0088 308-WWTP - Wastewater Treatment Plant

- Equip and operate each oil-water separator tank, sump oil tank, storage vessel, or other auxiliary equipment with a fixed roof, which meets the specifications in 40 CFR 60.692-3(a)(1) through (a)(5), except as provided in 40 CFR 60.692-3(d) or 60.693-2. Subpart QQQ. [40 CFR 60.692-3(a)]
- Equip and operate each oil-water separator tank or auxiliary equipment with a design capacity to treat more than 16 liters per second (250 gpm) with a closed vent system and control device, which meet the requirements 40 CFR 60.692-5, except as provided in 40 CFR 60.692-3(c) or 60.693-2. Subpart QQQ [40 CFR 60.692-3(b)]
- Meet the requirements of 40 CFR 60.692-3(a), or comply with the requirements of 40 CFR 60.692-3(a) for the existing fixed roof covering a portion of the separator tank and comply with the requirements for floating roofs in 40 CFR 60.693-2 for the remainder of the separator tank. Subpart QQQ. [40 CFR 60.692-3(c)]
- Ensure that sump oil from an oil-water separator tank and oily wastewater from sump handling equipment is collected, stored, transported, recycled, reused, or disposed of in an enclosed system. Equip equipment used in handling sump oil with a fixed roof meeting the requirements of 40 CFR 60.692-3(a). Comply with the requirements of 40 CFR 60.692-2 and 60.692-3. Subpart QQQ.
- Before using any equipment installed in compliance with 40 CFR 60.692-2, 60.692-3, 60.692-4, 60.692-5, or 60.693, inspect such equipment for indication of potential emissions, defects, or other problems that may cause requirements of 40 CFR 60 Subpart QQ not to be met. Subpart QQQ. [40 CFR 60.696(a)]
- Retain all records required by 40 CFR 60 Subpart QQQ for a period of 2 years after being recorded unless otherwise noted. Subpart QQQ. [40 CFR 60.697(a)]
- Inspection records recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the location, date, and corrective action for inspections required by 40 CFR 60.692-3(a) when a problem is identified that could result in VOC emissions. Subpart QQQ. [40 CFR 60.697(c)]
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(e)(1) through (e)(4), as applicable. Subpart QQQ [40 CFR 60.697(e)]
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 60.697(f)(1) through (f)(3) for the life of the source in a readily accessible location. Subpart QQQ. [40 CFR 60.697(f)]
- Submit a certification that the equipment necessary to comply with 40 CFR 60 Subpart QQQ has been installed and that the required initial inspections or tests of process drains, sewer lines, junction boxes, oil-water separators, and closed vent systems and control devices have been carried out in accordance with 40 CFR 60 Subpart QQQ. Thereafter, submit a certification semiannually that all of the required inspections have been carried out in accordance with 40 CFR 60 Subpart QQQ. Subpart QQQ. [40 CFR 60.698(b)(1)]
- Submit report. Due initially and semiannually thereafter. Submit a report that summarizes all inspections when a water seal was dry or otherwise breached, when a drain cap or plug was missing or improperly installed, or when cracks, gaps, or other problems were identified that could result in VOC emissions, including information about the repairs or corrective action taken. Subpart QQQ. [40 CFR 60.698(c)]
- Fixed roof. Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF (DGF Unit). [40 CFR 61.343(a)(1)(i)(A)]

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
 Activity Number: PER20080028
 Permit Number: 1870-V1
 Air - Title V Regular Permit Renewal

EQT 0088 308-WWTP - Wastewater Treatment Plant

- Fixed roof: Maintain each opening in a closed, sealed position at all times that waste is in the tank except when it is necessary to use the opening for waste sampling or removal, or for equipment inspection, maintenance, or repair, except as specified in 40 CFR 61.343(a)(1)(i)(C). Subpart FF (DGF Unit). [40 CFR 61.343(a)(1)(i)(B)]
 Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. Subpart FF (DGF Unit). [40 CFR 61.343(a)(1)]
 Install, operate, and maintain an enclosure and closed-vent system that routes all organic vapors vented from the tank, located inside the enclosure, to a control device in accordance with the requirements specified in 40 CFR 61.343(e). Subpart FF (DGF Unit). [40 CFR 61.343(a)(2)]
 Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF (DGF Unit). [40 CFR 61.343(c)]
- Which Months: All Year Statistical Basis: None specified
 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF (DGF Unit). [40 CFR 61.343(d)]
 Meet the requirements specified in 40 CFR 63.343(e)(1) through (e)(4). Subpart FF (DGF Unit). [40 CFR 61.343(e)]
 Cover: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.345(a)(1)(i)]
 Cover: Maintain each opening in a closed, sealed position at all times that waste is in the container except when it is necessary to use the opening for waste loading, removal, inspection, or sampling, except as specified in 40 CFR 61.345(a)(4). Subpart FF. [40 CFR 61.345(a)(1)(ii)]
 Install, operate, and maintain a cover on each container used to handle, transfer, or store waste. Subpart FF. [40 CFR 61.345(a)(1)]
 When waste is transferred into a container by pumping, perform the transfer using a submerged fill pipe. Ensure that the submerged fill pipe outlet extends to within two fill pipe diameters of the bottom of the container while the container is being loaded. Ensure that the cover remains in place during loading of the waste and maintain all openings in a closed, sealed position except for those openings required for the submerged fill pipe, those openings required for venting of the container to prevent physical damage or permanent deformation of the container or cover, any opening complying with 40 CFR 61.345(a)(4). Subpart FF. [40 CFR 61.345(a)(2)]
 Perform treatment of a waste in a container in a manner such that while the waste is being treated the container meets the standards specified in 40 CFR 61.345(a)(3)(i) through (a)(3)(iii), except as specified in 40 CFR 61.345(a)(4). Subpart FF. [40 CFR 61.345(a)(3)]
 Cover: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter to ensure that the cover and all openings are closed and gasketed properly. Subpart FF. [40 CFR 61.345(b)]
- Which Months: All Year Statistical Basis: None specified
 Make first efforts at repair as soon as practicable, but not later than 15 calendar days after a broken seal or gasket or other problem is identified, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.345(c)]
 Waste stream: Benzene < 10 ppmw (flow-weighted). Subpart FF. [40 CFR 61.348(a)(1)(i)]
 Which Months: All Year Statistical Basis: Annual average
- 328 [40 CFR 61.343(a)(1)(i)(B)]
 329 [40 CFR 61.343(a)(1)]
 330 [40 CFR 61.343(a)(2)]
 331 [40 CFR 61.343(c)]
 332 [40 CFR 61.343(d)]
 333 [40 CFR 61.343(e)]
 334 [40 CFR 61.345(a)(1)(i)(2)]
 335 [40 CFR 61.345(a)(1)(ii)]
 336 [40 CFR 61.345(a)(1)]
 337 [40 CFR 61.345(a)(2)]
 338 [40 CFR 61.345(a)(3)]
 339 [40 CFR 61.345(b)]
 340 [40 CFR 61.345(c)]
 341 [40 CFR 61.348(a)(1)(i)]

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
 Activity Number: PER20080028
 Permit Number: 1870-V1
 Air - Title V Regular Permit Renewal

EQT 0088 308-WWTP - Wastewater Treatment Plant

- 342 [40 CFR 61.348(c)] Demonstrate that each treatment process or wastewater treatment system unit, except as specified in 40 CFR 61.348(d), achieves the appropriate conditions specified in 40 CFR 61.248(a) or (b) in accordance with the requirements in 40 CFR 61.348(c)(1) and (c)(2). Subpart FF. [40 CFR 61.348(c)]
- 343 [40 CFR 61.348(e)(2)] Make first efforts at repair as soon as practicable, but not later than 15 calendar days after a broken seal or gasket or other problem is identified, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.348(e)(2)]
- 344 [40 CFR 61.348(e)] Seal any openings and keep closed at all times when waste is being treated, except during inspection and maintenance, except as specified in 40 CFR 61.348(e)(3). Subpart FF. [40 CFR 61.348(e)]
- 345 [40 CFR 61.349(a)(1)(i)] Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)]
- 346 [40 CFR 61.349(a)(1)(iiii)] Closed-vent system: Ensure that all gauging and sampling devices are gas-tight except when gauging or sampling is taking place. Subpart FF. [40 CFR 61.349(a)(1)(iiii)]
- 347 [40 CFR 61.349(a)(2)(iii)] Total Organic Compounds (TOC) >= 95% recovery efficiency. Subpart FF. [40 CFR 61.349(a)(2)(iii)]
- 348 [40 CFR 61.349(a)(2)(iii)] Which Months: All Year Statistical Basis: None specified Benzene >= 98 % recovery efficiency. Subpart FF. [40 CFR 61.349(a)(2)(iii)]
- 349 [40 CFR 61.349(b)] Which Months: All Year Statistical Basis: None specified Operate at all times when waste is placed in the waste management unit vented to the control device except when maintenance or repair of the waste management unit cannot be completed without a shutdown of the control device. Subpart FF. [40 CFR 61.349(b)]
- 350 [40 CFR 61.354(a)(1)] Benzene monitored by the regulation's specified method(s) monthly. Measure the benzene concentration of the waste stream exiting the treatment process by collecting and analyzing one or more samples using the procedures specified in 40 CFR 61.355(c)(3). Subpart FF. [40 CFR 61.354(a)(1)]
- 351 [40 CFR 61.354(c)] Which Months: All Year Statistical Basis: None specified Monitoring data monitored by technically sound method daily. Inspect the data recorded by the monitoring equipment to ensure that the control device is operating properly. Subpart FF. [40 CFR 61.354(c)]
- 352 [40 CFR 61.354(d)] Which Months: All Year Statistical Basis: None specified Organic compounds or Benzene monitored by technically sound method daily or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. Monitor either the concentration level of the organic compounds or the concentration level of benzene in the exhaust vent stream from the carbon adsorption system. Subpart FF. [40 CFR 61.354(d)]
- 353 [40 CFR 61.354(d)] Which Months: All Year Statistical Basis: None specified Organic compounds or Benzene recordkeeping by electronic or hard copy daily or at intervals no greater than 20 percent of the design carbon replacement interval, whichever is greater. Subpart FF. [40 CFR 61.354(d)]
- 354 [40 CFR 61.354(d)] Replace the existing carbon with fresh carbon immediately when carbon breakthrough is indicated. Subpart FF. [40 CFR 61.354(d)]
- 355 [40 CFR 61.354(f)(1)] Closed-vent system (bypass line): Seal or closure mechanism monitored by visual inspection/determination monthly. Check the position of the valve and the condition of the car-seal or closure mechanism required under 40 CFR 61.349(a)(1)(ii) to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart FF. [40 CFR 61.354(f)(1)]

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
Activity Number: PER20080028
Permit Number: 1870-V1
Air - Title V Regular Permit Renewal

EQT 0088 308-WWTP - Wastewater Treatment Plant

- Closed-vent system (bypass line): Flow monitored by visual inspection/determination daily. Inspect the readings from each flow monitoring device required by 40 CFR 61.349(a)(1)(ii) to check that vapors are being routed to the control device as required. Subpart FF. [40 CFR 61.354(f)(2)]
- Which Months: All Year Statistical Basis: None specified
 Pressure monitored by pressure instrument continuously to ensure that the pressure is less than atmospheric pressure. Subpart FF. [40 CFR 61.354(g)]
- Which Months: All Year Statistical Basis: None specified
 Determine compliance with 40 CFR 61. Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- Equip with a submerged fill pipe.
- Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.
- VOC Total \geq 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
- Which Months: All Year Statistical Basis: None specified
 Determine VOC maximum true vapor pressure using the methods in LAC 33;III.2|103.H.3.a-e.
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33;III.2|103.I.1 - 7, as applicable.
- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Source complies with 40 CFR 61 Subpart FF, which constitutes MACT.

EQT 0089 308W-43 - Wastewater Thermal Oxidizer

- Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)]
- Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Subpart FF. [40 CFR 61.349(a)(1)(ii)]
- Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes, except as provided in 40 CFR 61.349(a)(1)(ii)(B).
 Subpart FF. [40 CFR 61.349(a)(1)(ii)]
- Install the flow indicator at the entrance to any bypass line that could divert the vent stream away from the control device to the atmosphere.
- Which Months: All Year Statistical Basis: None specified
 Closed-vent system: Ensure that all gauging and sampling devices are gas-tight except when gauging or sampling is taking place. Subpart FF. [40 CFR 61.349(a)(1)(iii)]

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
 Activity Number: PER20080028
 Permit Number: 1870-V1
 Air - Title V Regular Permit Renewal

EQT 0089 308W-43 - Wastewater Thermal Oxidizer

370 [40 CFR 61.349(a)(2)(i)(A)]

371 [40 CFR 61.349(b)]

372 [40 CFR 61.349(c)]

373 [40 CFR 61.349(f)]

Total Organic Compounds (TOC) >= 95 % reduction by weight: Subpart FF. [40 CFR 61.349(a)(2)(i)(A)]

Which Months: All Year Statistical Basis: None specified

Operate at all times when waste is placed in the waste management unit vented to the control device except when maintenance or repair of the waste management unit cannot be completed without a shutdown of the control device. Subpart FF. [40 CFR 61.349(b)]

Demonstrate that each control device, except for a flare, achieves the appropriate conditions specified in 40 CFR 61.349(a)(2) using one of methods specified in 40 CFR 61.349(c)(1) and (c)(2). Subpart FF. [40 CFR 61.349(c)]

Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]

Which Months: All Year Statistical Basis: None specified

Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]

Temperature recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(c)(1)]

Temperature monitored by temperature monitoring device continuously. Install the temperature sensor at a representative location in the combustion chamber. Subpart FF. [40 CFR 61.354(c)(1)]

Which Months: All Year Statistical Basis: None specified

Monitoring data monitored by technically sound method daily. Inspect the data recorded by the monitoring equipment to ensure that the control device is operating properly. Subpart FF. [40 CFR 61.354(c)]

Which Months: All Year Statistical Basis: None specified
Closed-vent system (bypass line): Seal or closure mechanism monitored by visual inspection/determination monthly. Check the position of the valve and the condition of the car-seal or closure mechanism required under 40 CFR 61.349(a)(1)(ii) to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart FF. [40 CFR 61.354(f)(1)]Which Months: All Year Statistical Basis: None specified
Closed-vent system (bypass line): Flow monitored by visual inspection/determination daily. Inspect the readings from each flow monitoring device required by 40 CFR 61.349(a)(1)(ii) to check that vapors are being routed to the control device as required. Subpart FF. [40 CFR 61.354(f)(2)]

Which Months: All Year Statistical Basis: None specified

Pressure recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(g)]
Pressure monitored by pressure instrument continuously to ensure that the pressure is less than atmospheric pressure. Subpart FF. [40 CFR 61.354(g)]

Which Months: All Year Statistical Basis: None specified

Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.

374 [40 CFR 61.349(g)]

375 [40 CFR 61.354(c)(1)]

376 [40 CFR 61.354(c)(1)]

377 [40 CFR 61.354(c)]

378 [40 CFR 61.354(0)(1)]

379 [40 CFR 61.354(0)(2)]

380 [40 CFR 61.354(g)]

381 [40 CFR 61.354(g)]

382 [40 CFR 61.355]

SPECIFIC REQUIREMENTS

AI ID: 2418 - ConocoPhillips Co - Alliance Refinery
Activity Number: PER20080028
Permit Number: 1870-V1
Air - Title V Regular Permit Renewal

EQT 0089 308W-43 - Wastewater Thermal Oxidizer

Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.

Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, on a dry basis, corrected to 3% oxygen, whichever is less stringent. Subpart CC. [40 CFR 63.643(a)(2)]

Which Months: All Year Statistical Basis: None specified

Temperature monitored by temperature monitoring device continuously. Equip temperature monitoring device with a continuous recorder. If a catalytic incinerator is used, install temperature monitoring devices in the gas stream immediately before and after the catalyst bed. If an incinerator other than a catalytic incinerator is used, install a temperature monitoring device in the firebox or in the ductwork immediately downstream of the firebox in a position before any substantial heat exchange occurs. Subpart CC. [40 CFR 63.644(a)(1)]

Which Months: All Year Statistical Basis: None specified

Demonstrate compliance with 40 CFR 63.643 by following 40 CFR 63.116 except for 63.116(a)(1), (d) and (e), except as provided in 40 CFR 63.645(b) through (d) and (i). Subpart CC. [40 CFR 63.645(a)]

Equipment/operational data recordkeeping by recorder hourly. Keep the records specified in 40 CFR 63.654(i)(3)(i) through (i)(3)(v). Subpart CC. [40 CFR 63.654(i)(3)]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart FF determined as MACT.

FUG 0012 308W-FF - Unit Fugitives For Wastewater Treatment

Equip each drain with water seal controls. Subpart QQQ. [40 CFR 60.692-2(a)(1)]

Equipment/operational data monitored by visual inspection/determination once initially and monthly thereafter. Monitor drains in active service for indications of low water levels or other conditions that would reduce the effectiveness of the water seal controls. Subpart QQQ. [40 CFR 60.692-2(a)(2)]

Which Months: All Year Statistical Basis: None specified

Add water or make first attempts at repair as soon as practicable, but not later than 24 hours after low water levels or missing or improperly installed caps or plugs are detected, except as specified in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(a)(5)]

Junction boxes: Equip with a cover. Ensure vent pipes are at least 90 cm (3 ft) in length and do not exceed 10.2 cm (4 in) in diameter. Subpart QQQ. [40 CFR 60.692-2(b)(1)]

Junction boxes: Cover must have a tight seal around the edge and be kept in place at all times, except during inspection and maintenance. Subpart QQQ. [40 CFR 60.692-2(b)(2)]

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- 396 [40 CFR 60.692-2(b)(3)] Junction boxes: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor to ensure the cover is in place and to ensure that the cover has a tight seal around the edge. Subpart QQQ. [40 CFR 60.692-2(b)(3)]
- Which Months: All Year Statistical Basis: None specified
- Junction boxes: Make a first effort at repair as soon as practicable, but not later than 15 calendar days after a broken seal or gap is identified, except as provided in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(b)(4)]
- Sewer lines: Ensure that sewer lines are not open to the atmosphere and are covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart QQQ. [40 CFR 60.692-2(c)(1)]
- Sewer lines: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor the portion of each unburied sewer line for indication of cracks, gaps, or other problems that could result in VOC emissions. Subpart QQQ. [40 CFR 60.692-2(c)(2)]
- Which Months: All Year Statistical Basis: None specified
- Sewer lines: Make repairs as soon as practicable, but not later than 15 calendar days after cracks, gaps, or other problems are detected, except as specified in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(c)(3)]
- Do not route refinery wastewater routed through new drains and a new first common downstream junction box, either as part of a new or existing individual drain system, through a downstream catch basin. Subpart QQQ. [40 CFR 60.692-2(c)]
- Comply with the requirements of 40 CFR 60.692-2 and 60.692-3. Subpart QQQ.
- Before using any equipment installed in compliance with 40 CFR 60.692-2, 60.692-3, 60.692-4, 60.692-5, or 60.693, inspect such equipment for indication of potential emissions, defects, or other problems that may cause requirements of 40 CFR 60 Subpart QQQ not to be met. Subpart QQQ. [40 CFR 60.696(a)]
- Retain all records required by 40 CFR 60 Subpart QQQ for a period of 2 years after being recorded unless otherwise noted. Subpart QQQ. [40 CFR 60.697(a)]
- Inspection records recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(b)(1) through (b)(3). Subpart QQQ. [40 CFR 60.697(b)]
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(e)(1) through (e)(4), as applicable. Subpart QQQ. [40 CFR 60.697(c)]
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 60.697(f)(1) through (f)(3) for the life of the source in a readily accessible location. Subpart QQQ. [40 CFR 60.697(f)]
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep plans or specifications which indicate the location of out-of-active service drains covered by tightly sealed caps or plugs for the life of the facility in a readily accessible location. Subpart QQQ. [40 CFR 60.697(g)]
- Submit Notification: Due within 60 days after initial startup. Submit a certification that the equipment necessary to comply with 40 CFR 60 Subpart QQQ has been installed and that the required initial inspections or tests of process drains, sewer lines, junction boxes, oil-water separators, and closed vent systems and control devices have been carried out in accordance with 40 CFR 60 Subpart QQQ. Thereafter, submit a certification semiannually that all of the required inspections have been carried out in accordance with 40 CFR 60 Subpart QQQ Subpart QQQ. [40 CFR 60.698(b)(1)]
- 400 [40 CFR 60.692-2(c)(3)]
- 401 [40 CFR 60.692-2(e)]
- 402 [40 CFR 60.692-4]
- 403 [40 CFR 60.696(a)]
- 404 [40 CFR 60.697(a)]
- 405 [40 CFR 60.697(b)]
- 406 [40 CFR 60.697(e)]
- 407 [40 CFR 60.697(f)]
- 408 [40 CFR 60.697(g)]
- 409 [40 CFR 60.698(b)(1)]

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Submit report: Due initially and semiannually thereafter. Submit a report that summarizes all inspections when a water seal was dry or otherwise breached, when a drain cap or plug was missing or improperly installed, or when cracks, gaps, or other problems were identified that could result in VOC emissions, including information about the repairs or corrective action taken. Subpart QQ. [40 CFR 60.698(c)]

40 CFR 61 Subpart V: Compliance is achieved by compliance with Louisiana Fugitive Emission Program Consolidation Guidelines. See Part 70 Specific Conditions in Appendix A.

Equip with water seal controls or a tightly sealed cap or plug. Subpart FF. [40 CFR 61.346(b)(1)]

Junction box: Equip with a cover. The junction box may have a vent pipe that is at least 90 cm (3 ft) in length and does not exceed 10.2 cm (4 in) in diameter. Operate the junction box as specified in 40 CFR 61.346(b)(2)(i) and (b)(2)(ii). Subpart FF. [40 CFR 61.346(b)(2)]

Ensure that each sewer line is not open to the atmosphere and is covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart FF. [40 CFR 61.346(b)(3)]

Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Inspect equipment installed in accordance with 40 CFR 61.346(b)(1), (b)(2), or (b)(3) as specified in 40 CFR 61.346(b)(4)(i) through (b)(4)(iv). Subpart FF. [40 CFR 61.346(b)(4)]

Which Months: All Year Statistical Basis: None specified
 Make a first attempt at repair as soon as practicable, but not later than 15 calendar days after a broken seal, gap, crack, or other problem is identified, except as specified in 40 CFR 61.350. Subpart FF. [40 CFR 61.346(b)(5)]

Each process drain shall be equipped with either a cover and closed vent system/control device, a water-seal control, or a tightly sealed cap or plug.

Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.
 LAC 33:III.2121: Compliance is achieved by compliance with Louisiana Fugitive Emission Program Consolidation Guidelines. See Part 70 Specific Conditions in Appendix A.

- 410 [40 CFR 60.698(c)]
- 411 [40 CFR 61.240]
- 412 [40 CFR 61.346(b)(1)]
- 413 [40 CFR 61.346(b)(2)]
- 414 [40 CFR 61.346(b)(3)]
- 415 [40 CFR 61.346(b)(4)]
- 416 [40 CFR 61.346(b)(5)]
- 417 [40 CFR 61.346]
- 418 [40 CFR 61.355]
- 419 [40 CFR 61.356]
- 420 [LAC 33:III.2111]
- 421 [LAC 33:III.2121]

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422 [LAC 33.III.501.C.6]

The number of each type of component required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification provided:

- a. Changes in components involve routine maintenance or are undertaken to address safety concerns, or involve small piping revisions with no associated emissions increase except from the fugitive emissions components themselves;
- b. The changes do not involve any associated increases in production rate or capacity, or tie in of new or modified process equipment other than the piping components;
- c. Actual emissions following the changes will not exceed the emission limits contained in this permit; and
- d. The components are promptly incorporated into any applicable LDAR program.

423 [LAC 33.III.5109.A]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with Louisiana MACT for Refineries in accordance with streamlined fugitives monitoring program defined in Part 70 Specific Conditions in Appendix A.

424 [LAC 33.III.5109.A]

Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Subparagraph D.4.e.ii of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Valves in gas/vapor service and in light liquid service: Repair leaks as soon as practicable, but no later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection I.3 and I.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (have been welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulations' specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P or by testing using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

425 [LAC 33.III.5109.A]

Which Months: All Year Statistical Basis: None specified
 Surge control vessels and bottoms receivers: Equip each surge control vessel and bottoms receiver that is not routed back to the process with a closed-vent system that routes the organic vapors vented from the vessel back to the process or to a control device that complies with the requirements of Section N or to an alternate method of control which has been approved by DEQ, as specified in Section L of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
 Compressors: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection E.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected.

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- Compressors: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the requirements of Section N, except as provided for in Subsection E. 10, as specified in Paragraph E.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections E. 1 through E. 7.
- Sampling connection systems (closed-purge or closed-vent system): Return the purged process fluid directly to the process line with zero VOC emissions to the atmosphere, or collect and recycle the purged process fluid with zero VOC emissions to the atmosphere, or be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements of Section N, as specified in Subsection G.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Valves in gas/vapor service and in light liquid service (percent leaking valves <= 2 for two consecutive quarterly leak detection periods): VOC, Total monitored by the regulation's specified method(s) semiannually, as specified in Paragraph J.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring.
- Which Months: All Year Statistical Basis: None specified
 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with Subsections O.2 through O.6, as specified in Subsection O.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with Subsection I.1, as specified in Subsection I.5.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P. P.
- Which Months: All Year Statistical Basis: None specified
 Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times, as specified in Subsection I.5.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2.
- Which Months: All Year Statistical Basis: None specified
 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size (inaccessible or glass or glass-lined): Repair leaks as soon as practicable, but no later than 15 calendar days after detecting a leak by visual, audible, olfactory or other means, except as specified in Subsection O.8, as specified in Subsection O.11.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after the leak is detected, as specified in Subsection O.11.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

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Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency, as specified in Subparagraph D.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor pump as often as practicable and at least monthly.

Which Months: All Year Statistical Basis: None specified

Pumps in light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection D.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected.

Open-ended valves or lines: Monitor and repair in accordance with Section I, as specified in Subsection H.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

Valves in gas/vapor service and in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection I.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 1000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection I.3.

Which Months: All Year Statistical Basis: None specified

Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (percent of leaking connectors $>$ 2) VOC, Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within three months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P. If an instrument reading \geq 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.

Which Months: All Year Statistical Basis: None specified

Open-ended valves or lines (equipped with a second valve): Operate in a manner such that the valve on the process fluid end is closed before the second valve is closed, as specified in Subsection H.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Pressure relief device in gas/vapor service: VOC, Total monitored by the regulation's specified method(s) within 5 days (calendar) after the pressure release to confirm the condition of no leakage, as indicated by an instrument reading of less than 500 ppm above background, as specified in Section F.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.3.

Which Months: All Year Statistical Basis: None specified

Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure, or equip with a barrier fluid degassing reservoir that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOC/AP emissions to the atmosphere, as specified in Paragraph D.4.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

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- Connectors in gas/vapor service and in light liquid service => one inch in inside diameter size: Calculate the percent leaking connectors using the equation in Subsection O.12 for use in determining the monitoring frequency, as specified in Subsection O.12 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Connectors in gas/vapor service and in light liquid service => one inch in inside diameter size (have been opened or have otherwise had the seal broken): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Monitor for leaks after being returned to VOTAP service during the next scheduled monitoring period, as specified in Paragraph O.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9, unless it is determined to be unrepairable, in which case it is counted as unrepairable.
- Which Months: All Year Statistical Basis: None specified
- Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in VOTAP service and, if the pump is covered by standards under NSPS, is not in VOC service, as specified in Paragraph D.4.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Compressors: Equipment/operational data monitored by technically sound method daily, as specified in Paragraph E.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Check each sensor as required in Subsection E.5 daily or equip with an audible alarm unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on criterion determined under Paragraph E.6.b, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8.
- Which Months: All Year Statistical Basis: None specified
- Pumps in light liquid service (dual mechanical seal system): Equip each barrier fluid system with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Valves in gas/vapor service and in light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than two meters above a support service, as specified in Subsection I.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Valves in gas/vapor service and in light liquid service (percent leaking valves <= 2 for two consecutive semiannual leak detection periods): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Paragraph J.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring.
- Which Months: All Year Statistical Basis: None specified
- Connectors in gas/vapor service and in light liquid service => one inch in inside diameter size: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Sampling connection systems: Equip with a closed-purge system or closed-vent system, except as provided for in Section C, as specified in Subsection G.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Ensure that this system collects or captures the sample purge for return to the process.

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- Compressors: Ensure that the barrier fluid is not in VOTAP service and, if the compressor is covered by a standard under NSPS, is not in VOC service, as specified in Subsection E.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Valves in gas/vapor service and in light liquid service (using skip period leak detection and repair): Notify DEQ at least 30 days before implementing one of the alternate monitoring scenarios in Section J, as specified in Paragraph J.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Compressors (no detectable emissions): Demonstrate that the compressor is operating with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in Subsection P.3, as specified in Paragraph E.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Pressure relief device in gas/vapor service: After each pressure release, return to a condition of no leakage, as indicated by an instrument reading of less than 500 ppm, as soon as practicable, but no later than five calendar days after each pressure release, except as provided in Section M, as specified in Section F.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Compressors: Equip each barrier fluid system as described in Subsections E.2 through E.4 with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Subsection E.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection K.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected.
- Compressors (seal system): Operate with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure, or equip with a barrier fluid system that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emission to the atmosphere, as specified in Subsection E.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Submit report Due quarterly starting three months after the initial report required in Subsection R.1. Include the information specified in Paragraphs R.2.a through R.2.e, as specified in Subsection R.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Pumps in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly. Monitor to detect leaks by the methods specified in Subsection P.2, except as provided in Subsections C.4, D.4, D.5 and D.6, as specified in Paragraph D.1.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If an instrument reading of 2000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions as specified in Subsection D.3.
- Which Months: All Year Statistical Basis: None Specified Pressure relief device in gas/vapor service: VOC, Total < 500 ppm except during pressure releases, as measured by the method specified in Section P.3, as specified in Subsection F.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Which Months: All Year Statistical Basis: None Specified Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, monitor within 5 days.
- Which Months: All Year Statistical Basis: None Specified

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- 465 [LAC 33:III.5109.A] Valves in gas/vapor service and in light liquid service (difficult-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve at least once per calendar year, as specified in Subsection I.6.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2.
- Which Months: All Year Statistical Basis: None specified
- Compressors: Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Paragraph E.6.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 466 [LAC 33:III.5109.A] Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b.
- Which Months: All Year Statistical Basis: None specified
- Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve that seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line or during maintenance and repair, as specified in Subsection H.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: VOC, Total monitored by the regulation's specified method(s) within 5 days of finding evidence of a potential leak by visual, audible, olfactory, or any other detection method, as specified in Subsection K.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 2000 ppm or greater for pumps or 1000 ppm or greater for valves, connectors, instrument systems, or pressure relief devices is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection K.3.
- Which Months: All Year Statistical Basis: None specified
- VOC, Total recordkeeping by manual logging at the regulation's specified frequency. Maintain a record of the monitoring in the log required in Subsection Q.5, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 467 [LAC 33:III.5109.A] Valves in gas/vapor service and in light liquid service (percent leaking valves ≥ 4): VOC, Total monitored by the regulation's specified method(s) monthly, as specified in Subsection I.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Monthly monitoring must be initiated within 60 days of the previous monitoring and must continue until the percent of leaking valves is less than 4, at which time monitoring can be performed in accordance with Subsection I.1.
- Which Months: All Year Statistical Basis: None specified
- VOC, Total monitored by technically sound method at the regulation's specified frequency. Monitor equipment that has been physically removed from service, disassembled or dismantled in the next scheduled monitoring period or within 1 year of placing back in service, whenever occurs first, to determine if it is leaking, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 468 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
- Submit statement: Due in writing by 90 days after approval of the Compliance Plan/Certificate of Compliance. Submit the information specified in Subsections R.1 and R.3, as specified in Subsections R.1 and R.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 469 [LAC 33:III.5109.A]
- 470 [LAC 33:III.5109.A]
- 471 [LAC 33:III.5109.A]
- 472 [LAC 33:III.5109.A]
- 473 [LAC 33:III.5109.A]

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- 474 [LAC 33:II.5109.A] Pumps in light liquid service (dual mechanical seal system): Equipment/operational data monitored by visual inspection/determination daily. Check sensor daily or equip with an audible alarm, as specified in Subparagraph D.4.c.i of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in Paragraph D.4.c.ii, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Which Months: All Year Statistical Basis: None specified
- 475 [LAC 33:II.5109.A] Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 476 [LAC 33:II.5109.A] Comply with the test methods and procedures in Section P, as specified in Subsections P.1 through P.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 477 [LAC 33:II.5109.A] Identify each piece of equipment in a process unit subject to this MACT determination such that it can be distinguished readily from equipment that is not subject to this MACT determination, as specified in Subsection C.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 478 [LAC 33:II.5109.A] Connectors in gas/vapor service and in liquid service \geq one inch in inside diameter size (percent of leaking connectors \leq 2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitoring must be performed in the same calendar quarter as the previous monitoring. Monitor using the method specified in Section P. If an instrument reading ≥ 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. Which Months: All Year Statistical Basis: None specified
- 479 [LAC 33:II.5109.A] Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible with a process unit shutdown, as specified in Subsection M.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 480 [LAC 33:II.5109.A] Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided for in Subsections C.4, E.9 and E.10, as specified in Subsection E.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 481 [LAC 33:II.5109.A] Valves in gas/vapor service and in liquid service (skip period leak detection and repair): Notify DEQ 30 days before implementing any of the alternate provisions of Section J, as specified in Subsection R.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 482 [LAC 33:II.5109.A] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in Subsections Q.1 through Q.13 as applicable, as specified in Section Q of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Connectors in gas/vapor service and in liquid service \geq one inch in inside diameter size: VOC, Total monitored by the regulation's specified method(s) once initially, as specified in Subsections O.1 and O.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If an instrument reading ≥ 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. Which Months: All Year Statistical Basis: None specified
- 483 [LAC 33:II.5109.A] LAC 33:III Chapter S1: LA MACT for Refineries. Comply with Louisiana MACT for Refineries in accordance with streamlined fugitives monitoring program defined in Part 70 Specific Conditions in Appendix A.
- 484 [LAC 33:II.5109.]

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485 [LAC 33:III.5113.B.6]

Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

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- 486 [40 CFR 60.]
 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies.
 Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]
 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.
 As part of the waiver application submitted under 40 CFR 61.342(b)(1), the owner or operator shall submit to the DEQ a plan under 40 CFR 61.10(b)(3) that is an enforceable commitment to obtain environmental benefits to mitigate the benzene emissions that result from extending the compliance date. The plan shall include the information specified in 40 CFR 61.342(b)(2)(i-iii). [40 CFR 61.342(b)(2)]
 Comply with the requirements of 40 CFR 61.342(c) through (h) no later than 90 days following the effective date, unless a waiver of compliance has been obtained under 40 CFR 61.11, or by the initial startup for a new source with an initial startup after the effective date. Subpart FF. [40 CFR 61.342(b)]
 Waste streams containing benzene: Remove or destroy the benzene contained in the waste using a treatment process or wastewater treatment system that complies with the standards specified in 40 CFR 61.348. Subpart FF. [40 CFR 61.342(c)(1)(i)]
 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
 Submit report: Due annually, beginning on the date that equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit updates to the information listed in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(d)(2)]
 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]

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- 497 [40 CFR 61.357(c)(8)]
 Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 498 [40 CFR 61.]
 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
- 499 [40 CFR 63.]
 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 3 of 40 CFR 63 Subpart F and Table 6 of 40 CFR 63 Subpart CC.
- 500 [40 CFR 68.12(b)(1)]
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Document that the nearest public receptor is beyond the distance to a toxic or flammable endpoint defined in 68.22. [40 CFR 68.12(b)(1)]
- 501 [40 CFR 68.12(b)(2)]
 Complete the five-year accident history for the process as provided in 68.42. [40 CFR 68.12(b)(2)]
- 502 [40 CFR 68.12(b)(3)]
 Ensure that response actions have been coordinated with local emergency planning and response agencies. [40 CFR 68.12(b)(3)]
- 503 [40 CFR 68.12(b)(4)]
 Include in the RMP the certification specified in 68.12(b)(4). [40 CFR 68.12(b)(4)]
- 504 [40 CFR 68.150]
 Submit Risk Management Plan (RMP): Due no later than June 21, 1999, or three years after the date on which a regulated substance is first listed under 68.130, or the date on which a regulated substance is first present above a threshold quantity in a process. Submit in a method and format to a central point as specified by EPA prior to June 21, 1999.
- 505 [40 CFR 68.155]
 Provide in the RMP an executive summary that includes a brief description of the elements listed in 68.155(a) through (g).
- 506 [40 CFR 68.160]
 Complete a single registration form and include in the RMP. Cover all regulated substances handled in covered processes. Include in the registration the information specified in 68.160(b)(1) through (13).
- 507 [40 CFR 68.165]
 Submit in the RMP information one worst-case release scenario for each Program I process. Include the data specified in 68.165(b)(1) through (13).
- 508 [40 CFR 68.168]
 Submit in the RMP the information provided in 68.42(b) on each accident covered by 68.42(a).
- 509 [40 CFR 68.180]
 Provide in the RMP the emergency response information listed in 68.180(a) through (c).
- 510 [40 CFR 68.190(c)]
 Submit revised registration to EPA: Due within six months after a stationary source is no longer subject to 40 CFR 68. Indicate that the stationary source is no longer covered. [40 CFR 68.190(c)]
- 511 [40 CFR 68.190]
 Review and update the RMP as specified in 68.190(b) and submit it in a method and format to a central point specified by EPA prior to June 21, 1999.
- 512 [40 CFR 68.200]
 Maintain records supporting the implementation of 40 CFR 68.68 for five years unless otherwise provided.
- 513 [40 CFR 68.221]
 Use the endpoints specified in 68.22(a) through (g) for analyses of offsite consequences.
- 514 [40 CFR 68.25]
 Analyze the release scenarios in 68.25, as specified in 68.25(a) through (h).
- 515 [40 CFR 68.28]
 Identify and analyze at least one alternative release scenario for each regulated toxic substance held in a covered process(es) and at least one alternative release scenario to represent all flammable substances held in covered processes, as specified in 68.28(b) through (e).
- 516 [40 CFR 68.30]
 Estimate in the RMP the population within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a).

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- 517 [40 CFR 68.33] List in the RMP environmental receptors within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a).
 Submit revised RMP. Due within six months after changes in processes, quantities stored or handled, or any other aspect of the stationary source increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36(b)]
- 518 [40 CFR 68.36(b)] Review and update the offsite consequence analyses at least once every five years. Complete a revised analysis within six months if changes in processes, quantities stored or handled, or any other aspect of the stationary source might reasonably be expected to increase or decrease the distance to the endpoint by a factor of two or more.
- 519 [40 CFR 68.36] Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain the records specified in 68.39(a) through (e) on the offsite consequence analyses.
- 520 [40 CFR 68.39] Include in the five-year accident history all accidental releases from covered processes that resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage. Include the information specified in 68.42(b)(1) through (10) for each accidental release.
- 521 [40 CFR 68.42] Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 522 [40 CFR 82.Subpart F] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
 Keep records and determine compliance as specified in LAC 33:III.2115.I, J, and K.
- 523 [LAC 33:III.1103] Control emissions of volatile organic compounds from petroleum refinery process unit turnarounds by pumping the liquid contents to storage and depressurizing the processing units to five psig (pounds per square inch gauge) or below before venting to the atmosphere. Control the vapors during the depressurization prior to venting to atmosphere by one of the applicable methods specified in LAC 33:III.2115.A, B, and F.
 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 524 [LAC 33:III.2113.A] Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- 525 [LAC 33:III.2141.A] If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:II.2901.G.
- 526 [LAC 33:III.2141.A] Pursuant to the Consent Decree (Civil Action H-05-0258 lodged January 27, 2005), Alliance Refinery shall not burn fuel oil in any existing combustion device except during periods of Natural Gas Curtailment, Test Runs, or Operator Training. This does not limit Alliance Refinery's ability to burn Torch Oil in an FCCU regenerator, to assist in starting, restarting, maintaining hot standby, or maintaining regenerator heat balance.
- 527 [LAC 33:III.2109]
- 528 [LAC 33:III.2901.D]
- 529 [LAC 33:III.2901.F]
- 530 [LAC 33:III.501.C.6]

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- 531 [LAC 33:III.5105.A.1] Comply with the requirements of PSD-LA-696(M-1). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-696(M-1).
- 532 [LAC 33:III.5105.A.1] Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III. Chapter 51. Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III Chapter 51. Subchapter A, after the effective date of the standard.
- 533 [LAC 33:III.5105.A.2] Do not cause a violation of any ambient air standard listed in LAC 33:III. Table 51.2, unless operating in accordance with LAC 33:III.5109.B.
- 534 [LAC 33:III.5105.A.3] Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
- 535 [LAC 33:III.5105.A.4] Do not fail to keep records, notify, report or revise reports as required under LAC 33:III. Chapter 51. Subchapter A.
- 536 [LAC 33:III.5107.A.2] Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.
- 537 [LAC 33:III.5107.A] Submit Annual Emissions Report: Due annually; by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
- 538 [LAC 33:III.5107.B.1] Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- 539 [LAC 33:III.5107.B.2] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923.
- 540 [LAC 33:III.5107.B.3] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931.
- 541 [LAC 33:III.5107.B.4] Submit notification: Due to certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.vii.
- 542 [LAC 33:III.5107.B.5] Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.

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- 543 [LAC 33:III.5109.C] Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:II.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ.
- 544 [LAC 33:III.5113.A.1] Submit notification in writing: Due to SPOC not more than 60 days prior to initial start-up. Submit the anticipated date of the initial start-up.
- 545 [LAC 33:III.5113.A.2] Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.
- 546 [LAC 33:III.5113.E.1.f] An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.
- 547 [LAC 33:III.535] Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537]
- 548 [LAC 33:III.5609.A.1.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 5 when the administrative authority declares an Air Pollution Alert.
- 549 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611. Table 6 when the administrative authority declares an Air Pollution Warning.
- 550 [LAC 33:III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 7 when the administrative authority declares an Air Pollution Emergency.
- 551 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency.
- 552 [LAC 33:III.5901.A] Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611. Tables 5, 6, and 7.
- 553 [LAC 33:III.5907] Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 554 [LAC 33:III.5911.A] Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- 555 [LAC 33:III.5911.C] Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III. Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Office of Environmental Compliance.
- 556 [LAC 33:III.919.D] Submit amended registration: Due to the Office of Environmental Compliance within 60 days after the information in the submitted registration is no longer accurate.
- Submit Emission Inventory (EI)/Annual Emissions Statement. Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
APPENDIX A
PART 70 SPECIFIC CONDITIONS

Unit 308W – Wastewater Treatment Unit

Agency Interest No.: 2418

ConocoPhillips Company

Belle Chasse, Plaquemines Parish, Louisiana

Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the applicable fugitive emission monitoring programs being streamlined, as indicated in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the applicable fugitive emissions programs.

- a. Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program (LA MACT for Refineries) shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size of component available in any of the programs being streamlined.
- b. Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters. Some allowance may be made in the first year of the streamlined program in order to allow for transition from existing monitoring schedules.
- c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on September 30 and March 31, to cover the periods January 1 through June 30 and July 1 through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

Unit or Plant Site	Programs Being Streamlined	Stream Applicability	Overall Most Stringent Program
Unit 308W – Wastewater Treatment Plant	LAC 33:III.Chapter 51, LA MACT for Refineries	≥ 5% VOTAP (Class I + II)	LA MACT for Refineries
	LAC 33:III.2121, Louisiana Fugitive Emission Control	≥ 10% VOC	
	40 CFR 61 Subpart V, National Emission Standard for Equipment Leaks (Fugitive Emission Sources)	≥ 10% VOC	